

62

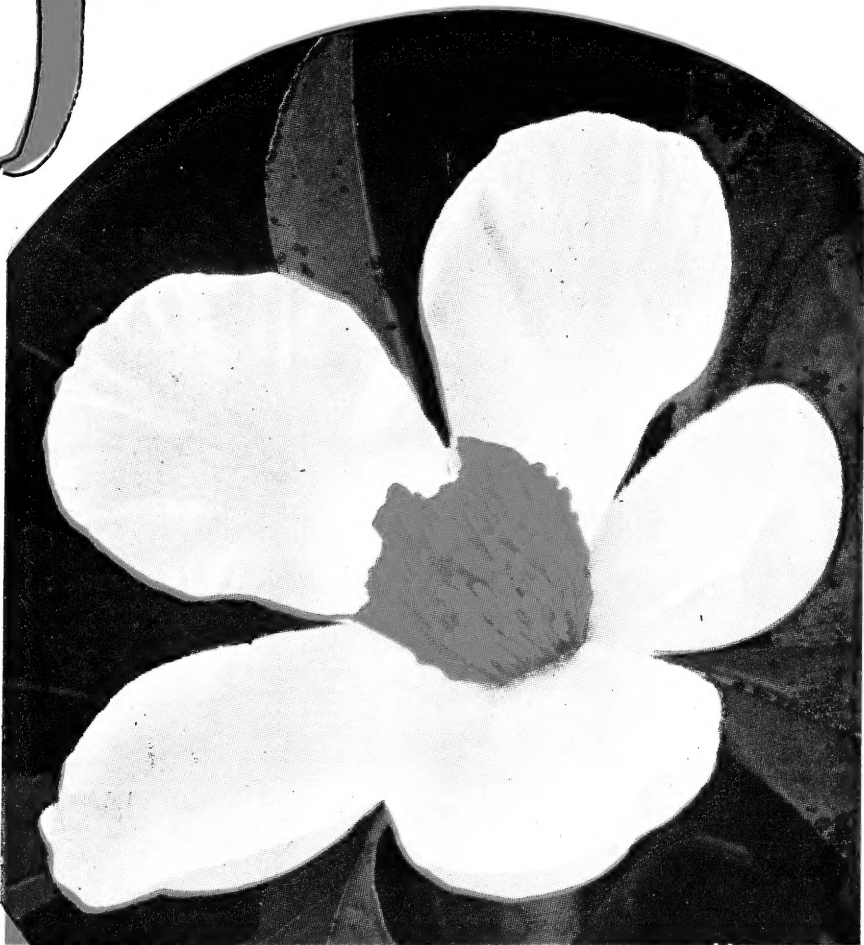
SAFE

Autumn

PLANTING

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U. S. Department of Agriculture

INDEX — MARGIN AT RIGHT
HOW TO ORDER — PAGE 35
WRAPPER IS ORDER FORM



Franklinia Blooms All Fall — See Page 25

PLANT EARLY	BROAD LEAF	page 2-7	EVER-GREENS	page 8-12	PERENNIALS	page 13-15	GROUND COVERS	page 16-17
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FALL 1957
OUR 80th YEAR
CATALOG No 160

Highlands, N. J.

KELSEY NURSERY SERVICE

RULES for SAFE AUTUMN PLANTING

1. **Select hardy material.** Check zone map on page 35 to locate your own climate, compare with zone ratings in plant descriptions.
2. **Order early enough.** There is a right time for nearly all kinds of plants. The right hand margins show an index of dates.
3. **Plants need watering,** even in fall with no growth of leaves, water freely until freeze-up for good root growth.
4. **Plant in proper soil.** Usually just good garden soil mixed with humus, but special treatment often noted in description.

Symbols and GRADES OF NURSERY STOCK



Indicates a small plant not yet shapely. No mark at all before the size indicates fairly shapely landscape grade.

S

Seedlings (or cuttings) not yet transplanted. Plant 3" apart in beds, for evergreen kinds, which need shade for two years when they are "X" grade below. Deciduous trees and shrubs are quicker growing and need less care, but should be cut back upon planting.
p. 4. CYTISUS scoparius. *12-18 in. S.....10 for \$2.50, 100 \$15.00

X

Transplants. Bushier roots and tops. Space 5 or 6 inches apart in beds for evergreens, and shade the first summer. In planting evergreens be careful to keep package moist, remove only one plant at a time to set in the ground, otherwise roots dry out. In two years they are "XX" grade below. Deciduous trees and shrubs are much hardier and need no special care as transplants, except pruning.
p. 5. PIERIS japonica. *6-8 in. X.....5 for \$3.50, 100 \$50.00.

XX

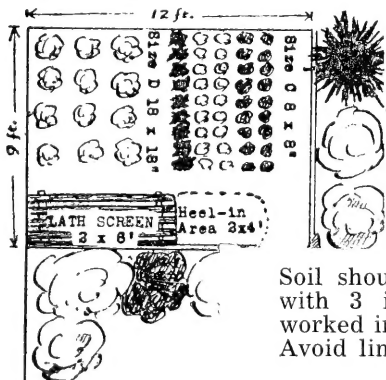
Twice transplanted stock. Much bushier in roots and tops. In deciduous trees and shrubs, "XX" grades are specimens. In evergreens, which grow much more slowly, space 8 to 10 inches apart at least, and no shade is needed. But plant otherwise as for transplants. These are the largest evergreens that can be shipped with little expense, perhaps 10 to 15% extra for express.
p. 4. ILEX convexa. *9-12 in. XX10 for \$18.00, 100 \$150.00.

POT

Any of the above can be grown in pots, and thus handled with a pot ball almost any time of year. Just dig a hole to fit, press earth around on all sides, soak. Space twice the size of the pot at least (2" pots space 4", etc.) Very small pots need shade first year, larger sizes not. Much safer than bare root stock, but much costlier for express. Perhaps 30%. (See also banded plants offered on page 36, priced postpaid).
p. 5. PYRACANTHA *3-in. pot. 10 for \$9.50, 100 \$75.00.

BB

Balled and burlapped specimens, planted like potted stock. Usually only evergreens are balled. Deciduous shrubs and trees are handled bare root in specimen sizes, the only special care is to watch they are not planted deeper than they stood in the nursery. (Check soil mark on lower stem.) B&B stock costs are high for express—50% of cost of stock or more. Bare root deciduous trees and shrubs cost 20% or less for specimens by express.
p. 3. AZALEA ledifolia. 12 in. B&B.....\$5.50 each, 5 for \$22.50



MINIMUM-SIZE HOME NURSERY

Save delays, money and labor.

The plan shows a 9 by 12 foot area for a nursery—no more space than used by a small specimen tree. Shrubbery masks the area. The lath screen provides shade for 80 young plants, spaced 5" x 5".

Soil should be sandy loam with 3 inches of manure worked in to a spade depth. Avoid lime.

Heel-in Area to temporarily plant a shipment of plants. They can safely remain for weeks. Water.



Azaleas For Fall

Culture is same as for rhododendrons, but a little more sun.

Many other kinds quoted on request. (See also page 36)

Kaempferi (Torch Azalea). Zone IV. 8 ft. Red to Orange. May. Vigorous, easily grown 6-10" X 5 for \$5.00, 25 \$20.00 15-18" B&B \$8.75, 5 \$40.00

- Othello**, brilliant red.
- Carmen**, upright, rose.
- Lakme**, tall, compact, pink.
- Betty**, compact, pink.

Any one of above 4 kinds:
12-15 in. BB \$5.50, 5 \$22.50

Ledifolia (*mucronatum*). Evergreen, 6 ft. Bushy. Acid, humus, loose. Late May. Zone VI. Handsome, dense. (**Indica alba**) White against dark green.

*3 yr. XX 5 for \$5.50, 25 \$20.00
12-15 in. B&B 5.50 ea., 5 \$20.00

Macrantha. Zone V. Low, broad, evergreen. Salmon pink, June. *3 yr. XX 5 for \$6.00, 25 \$27.50 12 in. BB \$5.50, 5 for \$22.50

—**Macrantha flor. plena**. Rosy red, late in June. Zone VI. Good. *4 yr. XX 5 for \$7.00, 25 \$30.00 10-12 in. BB \$4.50, 5 \$17.50

Maxwelli. Zone VI. Clear dark red, late May. Large blooms. *3 yr. XX 5 for \$6.00 ppd. 8-10 in. BB \$4.50, 5 \$15.00

Palestrina (Vuyk) Fine tall white, May. 6 ft. *3 yr. XX 5 for \$6, 25 \$25.00 10-12 in. BB \$4.50, 5 for \$15

Azalea HINOCRIMSON

A better, hardier Hinodigiri. Large, crimson-red, clean color, does not fade (as Hinodigiri does). Fragrant. Zone V. Probably the best hardy evergreen Azalea.

*3 yr. XX 5 for \$7.00, 25 \$30.00
8-10 in. BB \$4.50, 5 for \$20.00
12-15 in. BB \$6.00, 5 for \$25.00

GABLE HARDY AZALEAS

These hybrids have been made in the effort to originate a hardier strain of the Japanese type of Azalea, keeping form and color. Live, bloom in Zone V.

Herbert. Large frilled red.

Carol. Bright pink, double.

Ethelwyn. Single light pink.

Rose Greely. Double white, low, compact.

Susan. Single, salmon pink, very late.

Purple Splendor. Rich purple. "Early Rosebud." (C 12 G). Double pink, early.

Rose-bud. Very double pearly pink.

Any of above 8 kinds, 3 yr. XX bushy, 5 assorted \$7.95; 5 one kind \$6.50.

ALSO, 10 to 15 in. B&B, \$5.50, 5 for \$20.00

BROADLEAF EVERGREENS

Azaleas, rhododendrons, and others are safely planted with ball in Sept.-Oct. We here select kinds and sizes most suited to fall planting. (See also Page 36)

ABELIA *Grandiflora* (Glossy Abelia). 5 ft. Zone V, evergreen to Zone VI. Any soil. Sun. Pinky-white bells from June to October. Leaves bronze in winter.

*6-12 in. X 5 \$3.00, 100 \$35.00
1-1½ ft. X 2 for \$3.50, 10 \$12.00
1½ ft. BB \$5.50 each, 5 \$22.00

BERBERIS *Juliana* (Winter-green Barberry). 7 ft. Zone V. Evergreen. Sun or shade. Flowers small, fruit black.

*2¼ in. pots 5 \$5.50, 100 \$80.00
12-15 in. BB \$5.75 ea., 10 \$50.00

BUXUS *microphylla* *Koreana* (Korean Box). 2½ ft. Zone IV. Very compact and dense. Any soil. Prefers sun. Neat edge for garden. (Arnold Arbore-
*2¼ in. pots 10 \$9.50, 100 \$70.00
6-8 in. BB \$3.75 each, 10 \$30.00

Suffruticosa (Dwarf "English"). 6 ft. Zone V. Small plants used for real box edging. Any soil. Sun or part shade.

*4-6 in. X 10 for \$6.50, 100 \$55
1 yr. X 25 for \$6.50, 100 \$22

CYTISUS *scoparius* (Common broom). 4 to 8 ft. Zone V. Bushy, upright stems. Yellow, May-June. Drain. Sun. Perhaps the best cover for diy banks. A sight in bloom.

*12 in. S 25 for \$5.00, 100 \$16.00
Pot Plants \$2.50, 10 for \$20.00

— **praecox** (Warminster Broom). 5 ft. Zone V. Amazing shower of pale yellow in May.
3-in. pots \$2.50, 10 for \$20.00
4-in. pots \$3.00, 10 for \$25.00

DAPHNE *cneorum* (Garland Flower). 1 ft. Zone IV. The finest rock-garden evergreen. Fragrant rose clusters in May and again Sept. Needs sun. Spreads. Stands drought.

*8-10 in. BB \$3.75, 5 for \$17.50
*5-7 in. BB \$2.75, 5 for \$12.50

ERICA *carnea* ((Spring Heath). 1 ft. Zone V. A show of rose in the snow, lasts to May. Acid, sandy, humus. A soft mass of tiny leaves.

*2 in. pot 5 for \$4.50, 100 \$55.00
4 in. pot \$2.50 ea., 5 \$10.00

The Evergreen Hollies (Ilex)

Aquifolia (English Holly). 40 ft. Zone VI. Very shiny, toothed leaves. Very large, red berries.

— **Female** (for berries).

*3 in. pot 5 for \$9.50, 50 \$75.00
4 in. pot \$4.00, 10 for \$30.00

— **Male** (for pollination).

3* in. pot \$3.00 ea., 5 for \$10.00

— **Bisex.** Berries on one plant, both male and female flowers.

*3 in. pot \$3.50 each, 10 \$30.00

Crenata (Japanese Holly). Zone VI. 18 ft. Evergreen leaf and thickset shape. Tolerant.

*8-10 in. X 10 for \$8.00, 100 \$60
18-24 in. B&B \$6.00 each, 10 \$55

— **cr. convexa** (dwarf Japan Holly). Form with shiny gray-green leaves. 4 ft. Zone V.

*8-10 in. X 10 for \$8, 100 \$60
*9-12 in. XX 10 for \$18, 100 \$150
12-15 in. B&B \$5.50 ea., 10 \$48

Opaca (American Holly). Zone IV. 40 ft. Damp, some shade. Red berries, dull, evergreen leaf.

— **Unknown, mixed sexes.**

*6-12 in. pot 10 \$8.00, 25 \$18.00
2-3 ft. B&B \$7.00, 10 for \$60.00

— **Old Heavyberry.** Big, rich green leaf, very showy berries, Perhaps the best female.

*3 in. pot \$2.00, 5 \$9.00
15-18 in. BB \$5.75 ea.

Offer A—2 males, 4 females in 3 in. pot size (6 to 10 in.) \$7.50 postpaid.

Offer B—1 male, 2 females in 4 in. pot size (12 to 18 in.) \$9.50 postpaid.



WINTER LEAVES —(Bottom) *Osmanthus*, *laurocerasus*, *Viburnum rhytidophyllum*, *Rhododendron Carolina*, *Catawbiense*, *maximum*, *Kalmia*. (Top row) *Pyracantha Lalandi*, *Pieris floribunda*, *P. japonica*, *berberis Juliana*, *Euonymus patens*.

KALMIA, LEUCOTHE. (page 7)

LAUROCERASUS schipkaensis (Hardy English Laurel). 6 ft. Zone V. A gorgeous evergreen shrub with dark green leaves. White flower spikes in May. Very easily grown. Very fast growing. Stands drought.

*3 in. pots 5 for \$6, 25 for \$25
12 in. (potted) \$3, 5 for \$13.50
15-18 in. BB \$5, 5 for \$20.00

MAHONIA aquifolium (Oregon Holly-grape). 5 ft. Zone V. Holly-like evergreen. Yellow, May; purplish "grape," August. Dry, part shade. Stands drought.

*2¼ in. pot 5 for \$6, 25 \$20
12 in. B&B \$4 ea., 5 for \$18
12 in. XX 2 for \$5 ppd.

PACHISTIMA canbyi. Evergreen clump. 9 in. Zone V. Wonderful rock plant. Moist.

*2 in. pots 10 for \$6, 25 \$12.50
3 in. pot \$2 each, 5 for \$7.50

PIERIS floribunda (Mountain Fetterbush). 3 ft. Zone IV. Evergreen, mound. Upright clusters white in May. Acid, humus.

*6-9 in. X 25 for \$20, 100 \$70
12-15 in. BB \$6.50, 5 for \$30

PIERIS japonica (Andromeda). 6 ft. Zone V. Evergreen, upright shrub, with drooping wax-like bells, May. New growth is rosy-wine.

*6-8 in. X 5 for \$3.50, 100 \$50
12-15 in. BB \$5.50 each, 10 \$50
12-15 in. X 5 for \$5.50, 25 \$22.50

PYRACANTHA Lalandi (Laland Firethorn). Evergreen shrub to 15 ft. Zone V. A fuzz of white in May, then orange-red berries. Drain, lime. Stands drought.

*3 in. pots 10 for \$9.50, 100 \$75
10-24 in. (pot) \$2.50, 10 \$20

RHODODENDRON (page 7)

SKIMMIA japonica. 4 ft. Zone VI. Whitish in April. Neat growing dwarf, red winter fruit. 12 in. (4-inch pot.)

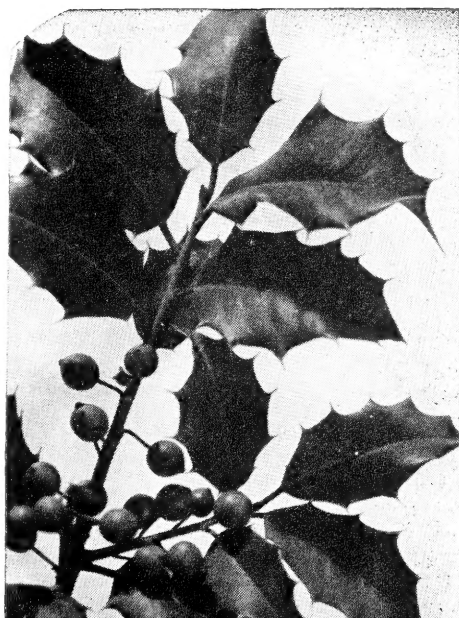
2 ppd. \$5.00, 10 \$17.50

STRANSVAESIA davidiana Shrub to 20 feet. Zone VI. Large shiny green leaves. Scarlet fruit in autumn. Stands drought.

1½-2 ft. \$4.00 ea., 10 for \$30.00

VIBURNUM Rhytidophyllum (Leatherleaf). 9 ft. Zone V. Wrinkled evergreen leaves, bright green, shiny. Bold. Red berries. Drain, shelter. Unique leaves.

12 in. (pot) \$3.50 ea., 10 \$30.00



Rhododendrons

Evergreen shrubs with fine foliage. Range from dwarfs to giants. Bloom from May to July. Acid, humus, damp, loose.

1. The roots feed at the surface—do not hoe or rake. Plant properly and thereafter water and mulch as needed.

2. Light shade, airy and open, gives best results.

3. Safe planting in September and October.

NAMED GRAFTED HYBRIDS

From open field, dug with ball of earth. They have been pinched to make low, shapely branching. All hardy Zone VI, and a few extra hardy ones as noted in Zone V. All B&B.

A—2 yr. own rootBox of 5 \$18.00

B—10-12 in. own rootBox of 5 \$30.00

C—10-12 in. grafts\$7.00 each

D—15-18 in grafts \$9.00 each

BC—Caractacus—compact, purple-red. Zone V.

ABC—Catawba Boursalt—lusty dark pink.

D—Cynthia—lusty rosy crimson. Zone V.

C—Dr. Rutgers—fiery red, compact. Zone V.

ABC—Ignatius Sargent—rose-red, vigorous.

D—Parsons Gloriosum—rosy-pink. Zone V.

ABCD—Rose Elegans—lilac-rose, bushy, Zone IV.

C—E. S. Rand—compact scarlet red.

ABC—America—very neat growing red.

AB—Boule de Niede—dwarf white. Zone V.

A—Catawba Album—bushy white. Zone V.

D—Mrs. Sargent—strong pink. Zone V.

ABC—Everestianum—bushy fuschia. Zone V.

AB—Purpureum grand—Good purple.

Special Offer of Grafted

NAMED KINDS TO COLOR

Order Red, Pink, or Lilac and we will make selection of good 10 to 12 inch BB grafted plants, box of 5 only, for \$17.00.

HYBRID SEEDLINGS

These in every way resemble named hybrids except:—the color of flowers is unpredictable. However, more than half are really bright. The others are purples. They are fairly free to bloom, hardy mostly in Zone V.

*4 to 6 in. XX.....10 for \$9.50, 100 \$75.00

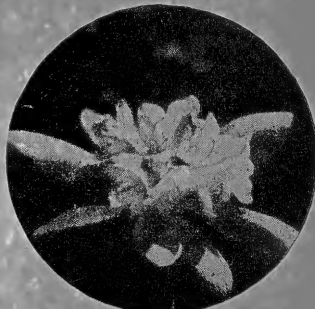
10 to 12 in. B&B\$3.00 each, 5 for \$12.50



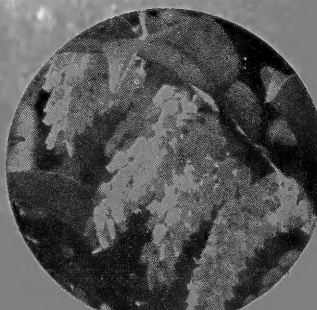
Rhododendron catawbiense
Purple, June, Zone IV, to 10 ft.



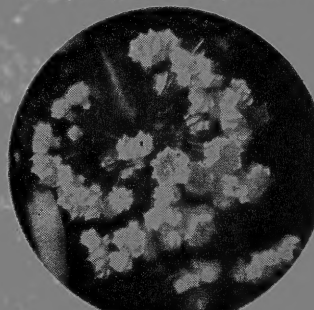
Rhododendron maximum
White, July, Zone III, 15 feet.



Rhododendron carolina
Pink, May, Zone V, to 8 ft.



Leucothoe catesbaei
White, May, Zone V, spreads. 4 ft.



Kalmia latifolia. (Mt. Laurel)
Pink-white, June, Zone III. 8 ft.

Native ARISTOCRATS

These five flowering evergreen shrubs are shipped from the mountains of North Carolina. They are dug from natural growth in the open (not in woods) hence will succeed in normal garden conditions. Plant late Aug. to late Oct. safely. Soak heavily after planting. Mulch heavily with old leaves.

Rhododendrons low as 39½c in few years, with little care, will be bushy \$10 specimens.

SIZE 1: AS SMALL AS CAN BE SHIPPED SAFELY. 12 inch seedlings (1 stem) with a small ball.



Easy to
Plant and
Care for

This special "Young Aristocrat" grade measures about 12 inches dug with a little earth left on roots, but not burlapped. Plants weigh about one pound only. This stock is not to be compared for a minute with ordinary collected plants. It is, on the contrary, all carefully dug, the greatest pains being taken to preserve the roots. Carefully packed, it is easily planted and makes a quick start. Shipped from North Carolina, express runs only 8c each (in 100 lots).

Rhododendron	(25)	(100)
maximum	\$12.00	\$39.50
carolina	16.00	58.00
catawbiense ...	16.00	58.00

Leucothoe		
catesbaei	13.50	45.00

Kalmia (Mountain Laurel)		
latifolia	13.50	45.00

OFFER A: 2 each above, 10 plants for \$10.50 postpaid.

OFFER B: 5 each above, 25 plants \$19.50 (express about \$2.50 on arrival).

SIZE 2: As Small as Looks Shapely. 8 to 12 in. B&B. Clumps, 4 to 6 Stems.

These "Junior Specimens" weigh 2 to 5 pounds per plant, individually burlapped. They are 2 years older than Size 1. Express runs about 25 cents per plant. You can expect some blooms the year after planting. These really "look like something" the day they are planted.

OFFER C: 1 each of above 5 plants for \$9.25 postpaid.

Rhododendron	(10)	(25)
carolina	\$16.50	\$39.00
catawbiense ...	16.50	39.00
maximum	14.50	32.00

Kalmia (Mountain Laurel)		
latifolia	14.50	32.00

Leucothoe (Fetterbush)		
catesbaei	14.50	32.00

SIZE 3: Bushy, Heavy Clumps. 1½ to 2 Feet, B&B.

Most are budded for at least some immediate bloom. Large enough to use at once for foundations, shrub borders. Allow about 3-ft. space, which they will fill within next few years. \$5.00 each, singly.

Any five of the 5 kinds pictured on opposite page for \$18.00.

(Express costs about \$5 for the 5.)

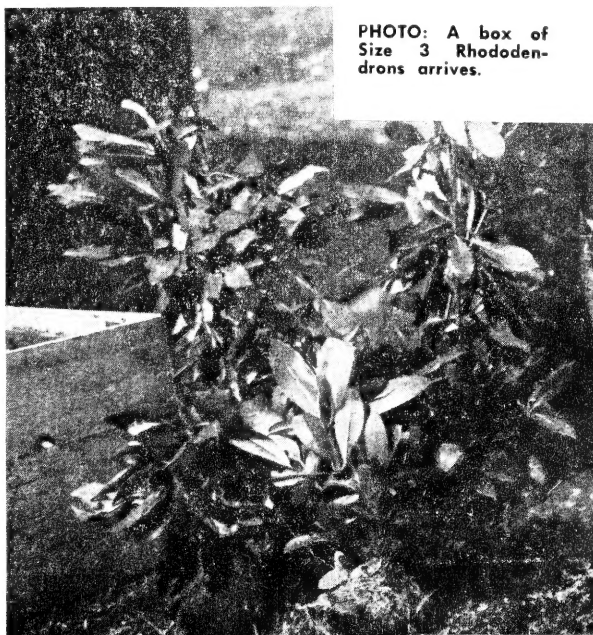


PHOTO: A box of Size 3 Rhododendrons arrives.

3 Grades of Evergreens

(X) **Transplants.** Good roots result from transplanting. Use these for mass planting. Express about 10% extra on arrival, parcel post the same. Culture page 2, item "X".

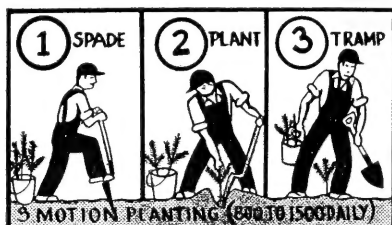
ABIES (Fir) (25) (100) 1000)
balsamea (Balsam Fir). For wet land. Best for Christmas trees.
 4 to 6 in. X 5.00 16.00 150.

Douglas Fir (*Pseudotsuga*).
 4 to 6 in. X 5.00 18.00 150.
 8 to 12 in. X 9.00 35.00 280.

PICEA (Spruce)
glauca alba (White Spruce).
 4 to 6 in. X 6.50 20.00 160.
 12 to 15 in. X 12.50 40.00 300.

excelsa (Norway Spruce).
 4 to 6 in. X 4.00 13.50 120.
 9 to 12 in. X 7.50 22.00 190.

pungens (Colorado Spruce), color from blue to green.
 4 to 6 in. X 8.00 25.00 230.
 6 to 9 in. X 12.00 40.00 375.



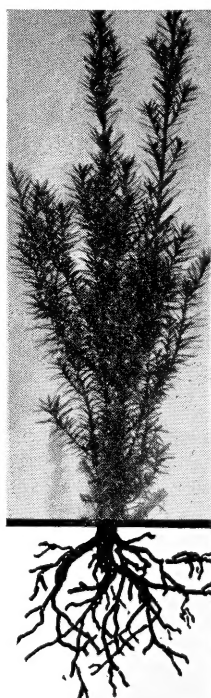
PINUS (Pine). (25) (100) 1000)
mughus (Mugho Pine).
 2 to 4 in. X 7.00 25.00 195.
 4 to 6 in. X 12.00 40.00 300.

nigra (Austrian Pine).
 4 to 6 in. X 4.50 15.00 110.
 9 to 12 in. X 8.50 30.00 270.

sylvestris (Scotch Pine).
 6 to 9 in. X 4.50 15.00 130.
 12 to 18 in. X 10.00 35.00

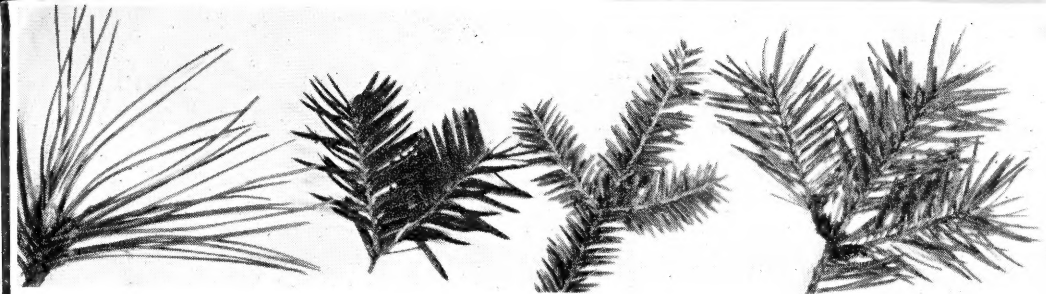
Twice transplanted, 5 to 7 years old, practically landscape specimens, except not balled. So express is little, about 10% extra on arrival. Roots in damp moss, safe planting. For culture see page 2, item "XX".

	(10)	(25)	(100)
ABIES (Douglas Fir)	9 to 10 in.	\$12.00	\$20.00 \$75.00
—Concolor	9 to 12 in.	13.00	30.00 100.00
JUNIPER (Andorra)	12 to 15 in.	16.00	40.00 125.00
—Pfitzer Juniper	12 to 15 in.	20.00	40.00 145.00
—Sabina (Savin)	9 to 12 in.	15.00	20.00 125.00
—Waukegan (glauca)	9 to 12 in.	14.00	30.00 110.00
PICEA (Black Hills)	12 to 15 in.	12.00	25.00 80.00
—Excelsa (Norway)	12 to 15 in.	.....	25.00 85.00
—Glauca (White Spruce)	12 to 15 in.	.....	18.00 65.00
—pungens (Colorado)	9 to 12 in.	14.00	30.00 100.00
PINUS (Austrian Pine)	12 to 15 in.	.....	28.00 95.00
—Mugho Dwarf Pine	8 to 10 in.	.....	35.00 120.00
—Thunbergi (Jap Black)	10 to 15 in.	22.00	45.00 175.00
THUJA <i>occidental</i>			
...Arborvitae	12 to 15 in.	.....	18.00 65.00
	18 to 24 in.	15.00	35.00 110.00
—occident. Pyramidal	12 to 15 in.	12.00	25.00 95.00
TAXUS and TSUGA (See XX Stock on Page 12)			



Roots are important. You can't see them. But you can specify "twice transplanted."

(BB) **Earth Balled Landscape Grade.** Planting safe and easy, but express runs 50% or so extra on arrival.



PINE

YEW

HEMLOCK

FIR

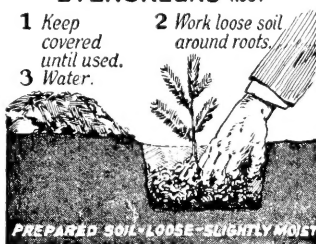
EVERGREENS

like Autumn Planting

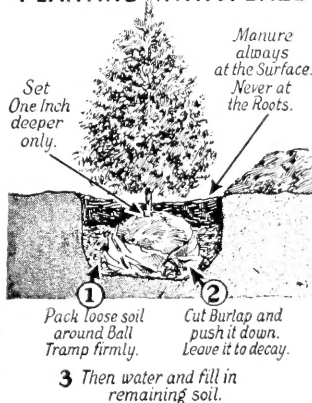
All are easily planted in September and October — the Yew is particularly easy even in small sizes. No fertilizer until next spring, but water well once a week until freeze-up and mulch smaller sizes unless in shady locations.

EVERGREENS BARE ROOT

- 1 Keep covered until used.
- 2 Work loose soil around roots.
- 3 Water.



PLANTING WITH A BALL



ABIES balsamea (Balsam Fir). 60 ft. Zone III. Dark, shapely pyramid. Needs cool moist soil. Best Christmas tree.

*4-6 in. X25 \$ 5.00, 100 \$16.00
2-2½ ft. BB.....\$7.50 each, 10 \$60.00

douglasii (*pseudotsuga taxifolia*) (Douglas Fir). 70 ft. Zone IV. Prefers rich soil, but tolerant.

*4-8 in. X25 \$5.00, 100 \$18.00
*9-12 in. XX 10 \$12.00, 100 \$75.00
2-2½ ft. BB.....\$7.50 each, 10 \$60.00

CEDRUS deodara (Deodar Cedar). 100 ft. Zone VI. Graceful pyramid. Unusual foliage.

8-12 in. S5 for \$3.50, 25 \$12.50
2-2½ ft. BB.....\$7.00 each, 10 \$50.00

Atlantica (Mt. Atlas Cedar). 90 ft. Zone VI. Blue-green stately pyramid. Scarce.

*8-12 in. X2 for \$3.00, 10 \$12.50
*12-18 in. X...2 for \$5.00, 5 \$ 9.50

CRYPTOMERIA japonica. 80 ft. Zone V. Pyramid with unusual evergreen foliage.

*3" pot (12")...\$2.00 each, 5 \$12.50

CHAMAECYPARIS plumosa (Plumed Cypress). 35 ft. Feathery pyramid. Good hedge plant. A good accent tree. Often used in foundation plantings, but not suitable really. Zone III.

*6-8 in. X 10 \$6.50 ppd., 100 \$40.00
18-24 in. BB...\$5.50 each, 10 \$37.50

—**Gold Dust**. Golden-leaf form to 25 feet. Very showy and trouble-free.

*8-10 in. X.....10 \$9.50, 100 \$65.00
12-15 in. BB.....\$3.75, 5 \$15.00

—**obtusa nana** (Dwarf Hinoeki). A 5 ft. dwarf that looks ancient when it is born. Excellent in rock gardens.

*2¼ in. pot.....\$1.50 each, 10 \$12.00
14-18 in. BB\$9.00 each

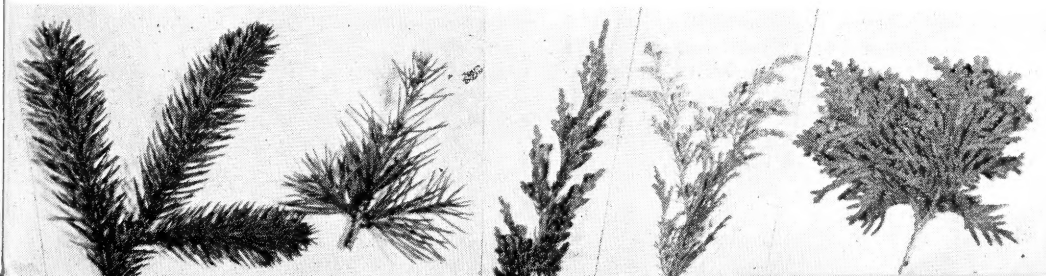
SPRUCE

CEDRUS

JUNIPER

CYPRESS

AMORVITAE



JUNIPER pfitzeriana (Pfitzer Juniper). 6 ft. Zone IV. Gorgeous bush, a cloud of silver in spring, then bright green. Spreads picturesquely. Stands soot, smoke, and drought in city plantings.

*4-6 in. X.....10 \$5.50, 100 \$40.00
 *2 1/4 in. pot.....10 \$7.50, 100 \$60.00
 *12 in. XX.....10 \$20.00, 100 \$145.00
 15-18 in. BB...\$7.50 each, 10 \$60.00

Pfitzer aurea (Golden Pfitzer). Form with bright yellow tips.

*6-8 in. X\$5.00
 18 in. BB.....\$6.75 each, 10 \$60.00

—**horizontalis plumosa** (Andorra Juniper). Dense, low mat, purple-green in winter.

*6 in. X.....10 \$7.00, 100 \$55.00
 *12-15 in. XX...10 \$16.00, 100 \$125.
 18-24 in. BB...\$7.00 each, 10 \$60.00

PICEA pungens (Colorado Spruce). 80 ft. Zone II. Very tolerant. Varies from green to silver, as offered here.

*4-6 in. X...25 for \$8.00, 100 \$25.00
 3 to 4 ft. BB.....\$13.00 each

—**Koster Blue** (Grafted Blue). 3 yr. graft\$5.00 each, 5 \$20.00

glauca conica (Dwarf Alberta). Miniature in height and leaf. 6 ft. Zone III. Tiny and slow. True dwarf conifer.

10-12 in. B&B\$7.00, 5 \$30.00

PINUS strobus (White Pine). 90 ft. Zone III. The noblest native evergreen. Prefers rich soil. Light green, soft and dense.

12-18 in. BB (bushy, collected)
 10 for \$12.00, 100 \$98.50
 2-3 ft. BB.....\$6.50 each, 10 \$60.00

montana mughus (Mugho). Zone II. 3 ft. Broad, low, bushy.

*4-6 in. X.....25 \$12.00, 100 \$40.00
 *8-10 in. XX.....25 for \$35.00
 18-24 in. B&B.....\$9.75, 10 \$90.00

thunbergi. 60 ft. Zone IV. Picturesque, branching, as seen in Japanese prints. Stands salt spray.
 10-15 in. XX 10 \$22.00, 100 \$175.00
 15-18 in. BB \$5.50 each, 10 \$45.00

THUJA occidentalis (American Arborvitae). 30 ft. Zone II. Pyramidal tree with dense, frond-like, evergreen leaves, popular.

6-10 in. X.....25 \$5.00, 100 \$18.00
 *18 in. XX.....10 \$15.00, 100 \$110.00
 2-3 ft. BB\$5.75 each, 10 \$47.50

—**globosa** (Globe AV). 5 ft. Zone II. Good green dwarf. Does not grow out of bounds.

*4-6 in. X.....10 \$5.50, 100 \$45.00
 15-18 in. BB...\$5.00 each, 10 \$45.00

—**pyramidalis** (Pyramidal.) 25 ft. Zone II. This is perhaps the best tall form of American Arborvitae. Formal, narrow hedges.

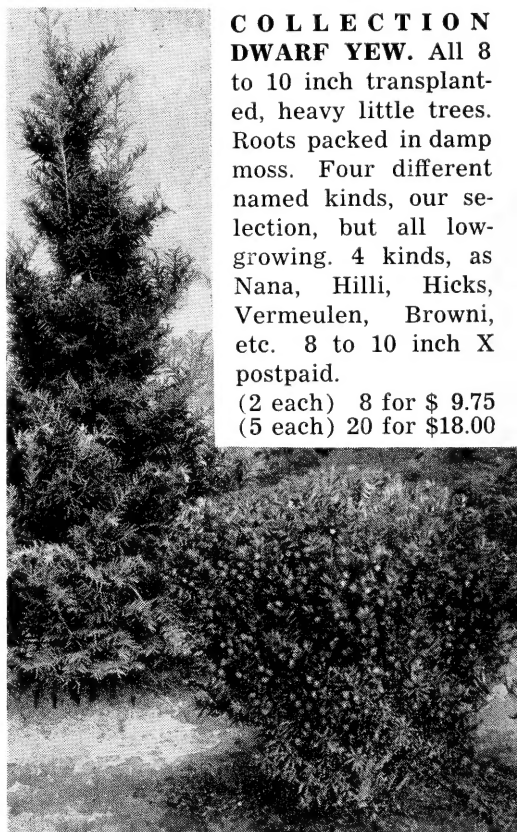
*6-8 in. X.....25 \$12.50, 100 \$45.00
 *12 in. XX.....10 \$12.00, 100 \$95.00
 *18 in. XX.....10 \$15.00, 100 \$110.00
 2-3 ft. BB.....\$6.00 each, 10 \$55.00

The Yews

COLLECTION DWARF YEWS.

All 8 to 10 inch transplanted, heavy little trees. Roots packed in damp moss. Four different named kinds, our selection, but all low-growing. 4 kinds, as Nana, Hilli, Hicks, Vermeulen, Browni, etc. 8 to 10 inch X postpaid.

(2 each) 8 for \$ 9.75
 (5 each) 20 for \$18.00



TSUGA Canadensis (Northern Hemlock). 60 ft. Stands shade.

The most beautiful native evergreen. Zone IV.

*4-7 in. X.....25 \$ 7.00, 100 \$25.00
 *12 in. XX.....25 \$22.00, 100 \$80.00
 *15 in. XX10 \$16.00, 100 \$130.
 2 ft. BB \$7.25, 10 \$65.00, 100 \$550.

Sargenti (Weeping Dwarf). Very useful, low and wide.

*10 in. X (2 yr.).....\$3.50, 10 \$30.00

Special Hemlock Offer

We have collecting rights in North Carolina for shapely young plants (B&B) that give satisfaction. Two kinds.

TSUGA carolina (Carolina).

T. Canadensis (Northern).

(10) (25) (100)
 12 in. BB....\$12.00 \$25.00 \$98.50

For every purpose in which Evergreens are required this Yew can be recommended. Hardy, immune to moist pests, withstanding shade or full sunshine. Dark green at all seasons of the year.

(Each) (10) (100)

TAXUS Media Hatfield (Hatfield's Yew). 12 ft. Zone IV. A compact cone in outline. The branches are upright. Full of character.

*4-6 in. X..... \$5.00 \$40.00
 *9-12 in. XX.....\$22.00 \$15.00
 18 in. B&B\$10.50 \$95.00.....

m. hicksii (Hick's). 10 ft. Zone V. Strong, fat upright shrub. Fine hedge. Good berries.

*6-8 in. X..... \$6.00 \$45.00
 *10-12 in. X..... 9.00 75.00
 *12-15 in. XX..... 19.00 160.00
 15-18 in. B&B \$ 7.00 32.00

—**Kelseyi** (Berrybush Yew). 8 ft. Zone IV. Our introduction 1936 and attracting favorable comment everywhere for its wealth of red berries in autumn. Bears young. A dense, full bush.

*4-6 in. X \$8.50 \$65.00
 *6-8 in. X..... 11.00 85.00
 18 in. B&B.....\$12.00 110.00



HEMLOCK SPECIMEN.

TAXUS Cuspidata capitata (Upright Yew). The natural form. Trees to 40 ft. The best type hedge Yew. (Each) (10) (100)

6-8 in. X..... \$6.00 \$45.00
 *12-15 in. XX..... 19.00 140.00
 2 ft. B&B\$12.50 90.00

—**vermeulen** (Upright *Brevifolia*). 12 ft. Zone III. Compact. Broad base and narrow top pyramid with more red berries than most.

*4-6 ft. X \$5.50 \$45.00
 *8-10 in. X..... 7.50 60.00
 3½ ft. B&B...\$15.00 140.00

—**cuspidata** (Spreading Yew). 6 ft. Zone III.

*4-6 ft. X..... \$ 5.00 \$35.00
 *9-12 in. XX..... 15.00 120.00
 *12-15 in. XX..... 19.00 160.00
 18-24 in. B&B 7.00 67.00 650.00
 12-15 in. B&B 5.50 50.00 475.00

—**nana** ("brevifolia"). (Dwarf). 4 ft. Zone III. Slow growing, spreading, dense dark foliage. Picturesque.

*4-6 in. X..... \$5.50 \$35.00
 *8-12 in. XX..... 20.00 160.00
 15 in. B&B.....\$3.50 80.00



LIVING FENCES

Hedge of
Upright Yew

Evergreens - Plant Early

Deciduous - Plant Late

YEW HEDGES

Hardy, disease-free, tolerant

TALL, 5 to 8 ft. high, 3 to 4 ft. wide.
Taxus capitata (Upright Yew).

	(10)	(25)	(100)
12-15 in. XX	\$19.	\$45.	\$160.

BROAD, 2 to 4 ft. high., 2 to 4 ft. wide. *Taxus cuspidata* (Spreading Yew).

12-15 in. XX	19.	45.	160.
9-12 in. XX	15.	35.	120.

LOW, 1 to 3 ft. high, 1 to 3 ft. wide.
Taxus nana brevifolia (Dwarf Yew).

8-12 in. XX	20.	45.	160.
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NARROW, 4 to 6 ft. high, 1½ ft. wide. *Taxus Hicksi* (Hatfield).

9-12 in. XX	15.	35.	120.
12-15 in. XX	19.	45.	160.

HEMLOCK HEDGE

Tsuga Canadensis (Northern Hemlock). 60 ft. Zone III.

Hemlock hedge when properly sheared gives a fine, even, smooth dark green surface unlike any other hedge. Thrives in soils ranging from ordinary to damp, and from full sun to full shade, hence is easy to grow. Set plants 1½ ft. apart.

	(25)	(100)
9 to 12 in. XX	15.00	60.00
12 to 15 in. XX	22.00	80.00
15 to 18 in. XX	35.00	130.00

Barberry Hedge

2 to 4 feet high. Space 1 foot apart in single row. Prices page 18.

Privet Hedges

4 to 8 feet high. Space 1 foot apart in 2 rows, staggered, 6 inches between rows.

(100 plants do 50 feet of hedge)
Prices on page 18

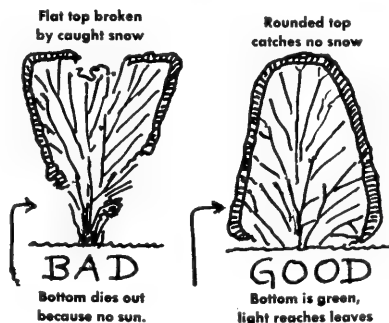
ROSA MULTIFLORA

Plant a single row, 1 foot apart. Cut back roots to 8 inches, tops to 3 or 4 inches on planting.

No repairs, no maintenance problems, it just grows. No animals can get through, yet birds and small game can use it for refuge. It does not get out of hand, kept 5 feet high, width 8 feet. (Not for small gardens.)

	(100)	(1000)
9-12 in. S	\$6.50	\$55.00
18-24 in. S	10.50	85.00

PRUNING HEDGES



PERENNIALS that Prefer FALL

Some perennial plants seldom succeed with spring planting; others (like early spring wildflowers) take spring planting reluctantly—really do far better in fall. On these pages most kinds that ought to be fall planted are listed. (In addition most ordinary perennials will succeed in fall as well as in spring, and may be ordered from our spring 1957 Short Guide.)

MODERN BEARDED IRIS

are exciting, bright, clean colors . . . are huge, with often several flowers to a stem. They are nothing at all like old-fashioned German Iris of even twelve or fifteen years ago. The best of the new ones as they come out sell for very high prices, but when available in quantity the price drops. Here are 24 such, still considered among the top quality, but which are now available at \$1 or less: Plant August to November.



New Irises are outstanding

Blue Shimmer—Creamy white, edged and dappled blue. \$.65.

Great Lakes—Pure blue, lighter beard. Grand. \$.65.

Lady Mohr—Oyster white and chartreuse. Impressive. \$.75.

Amandine—Wide, cool cream. \$.90.

Cascade Splendor—Smooth mix of pink and tan. Colorful, tall. \$.90.

Chivalry—Outstanding blue. \$.90.

Cloud Castle—Exquisite pale wisteria blue. \$.80.

Blue Rhythm—Huge cornflower blue. 1950 Dykes Medal. Tops. \$.70.

Desert Song—Large, ruffled cream. New. Outstanding. \$.90.

Dream Castle—A lovely, pure orchid pink. Perfection. \$.90.

Helen Magregor—Clear, pale blue. Large ruffled. 1949 Dykes. \$.90.

Master Charles—Glowing mulberry purple. Brilliant. \$.75.

Ola Kala—Deep yellow, ruffled. Striking in landscape. \$.70.

Snow Flurry—Blue-white; icy and perfectly formed. \$.85.

Lady Boscawen—New ruffled white, light yellow beard. \$.75.

Minnie Colquitt—Massive white plicata, ruffled flower. \$.75.

New Snow—Ruffled white, very pure. Bright yellow beard. \$.90.

Pink Cameo—New flamingo pink (no violet). Tangerine beard. \$.80.

Ranger—Almost crimson. Large flower, broad flaring falls. \$.90.

Rocket—Pure deep gold and orange. Ideal form. \$.75.

Sable—Almost black, dark blue beard. Large, tall. \$.85.

Three Oaks—Old rose and pink. Nice blend. Tall. \$.85.

Vatican Purple—Silky, bright blue-purple, heavy texture. \$.75.

2 Everblooming Iris

Early spring, occasional summer bloom and heavy fall show. Water and fertilize lightly between flowering periods. Dwarf, showy.

Souv. Lt. Chauvignac — Violet, fragrant.

Paltec—Light blue.

3 of a kind for \$1.80
3 of each for \$3.50

Lilies

2 for \$1.25, 8 for \$3.50
Regale (Regal)—Large white, gold lined, many on a stalk.
Speciosum magnificum—White, overlaid pink. Spotted. (Set 6 in. deep.)

True Bleeding Heart

Dicentra spectabilis—Old favorite. Showy pink all summer. Space 19 inches, shade. Plant early in spring or better in fall. 2 for \$2.00 postpaid.

Oriental Poppies

Bloom May-June, tolerant, any good soil. Water well. Plant Aug.-Sept. \$1.00 each (ppd.). 5 (one kind) \$4.50.

Beauty of Livermore — Dark, crimson.

Henry Cayeux Improved—Ashes of roses. Very large flowers.

Mrs. Perry—Solid salmon pink.

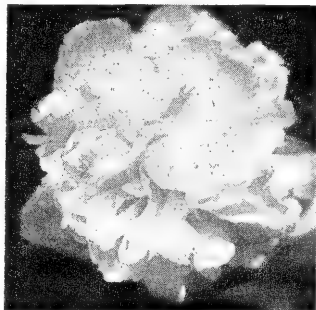
Perry's White—Large white, maroon center.

Wurtembergia—Large red.

PEONIES

We offer 15 double Peonies — Each is high-rated by Amer. Peony Soc. (average 9.0; 10.0 would be perfect). Good 3-5 eye divisions.

If set in deep, manured bed in sun will last for a generation without any attention. Plant late Aug. to Oct.



	5 Whites (All 5 for \$10.00)	5 Pinks (All 5 for \$8.00)	5 Reds (All 5 for \$9.50)
Mid May	Le Cygne (9.9) Charming White. \$3.00.	Edulis (7.6)	Rubra Plena (8.6) Rich red.
		Superba \$1.25	\$1.45
Late May	Kelways (9.8) Huge. \$2.50.	Glorious	Karl Rosenfeld (8.8) Large red.
		M. Jules Elie (9.2) Huge rose.	\$1.25
Early June	Festiva Maxima (9.3) Large white, red spots.	Walter Faxon (9.3) Bright shell-pink. Upright stems. \$1.50	Mons. M. Cahusac (8.8) Darkest maroon, purplish. \$2.50
Mid June	Primevere (8.5) Yellow center on white.	Therese (9.8) Pale old rose pink. Best pink.	Philippe Rivoire (9.2) Very dark, rich crimson. Fragrant.
		\$2.50	\$3.00
Late June	Solange (9.7) splendid white, suffused buff.	Sarah Bernhardt (9.0) Dark rose-pink \$1.50	Felix Crouse (8.4) Brilliant, silky crimson. Lasting. \$1.25

Tree Peonies - \$6.⁵⁰ each postpaid.

Because of their novelty and great beauty, Tree Peonies are rapidly becoming one of the most desired plants. They bloom earlier than ordinary Peonies and their flowers are of immense size. These plants are established in 5-inch pots and can be moved safely at any time.

Reine Elizabeth—Brilliant salmon-rose. Double.

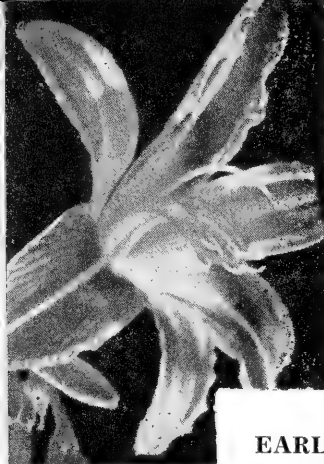
Souv. de Ducher — Red - violet, silvery, double.

Argosy—Bright yellow, single.

La Lorraine—Yellow and salmon.

Aurore—Copper terra-cotta.

Flora—Pure white (Japanese).



NEWER
(*Heimerocallis*)

Day-Lilies

All gay, clean colors. Here are the best in each color and season. Sun or shade; disease-free. Each kind blooms about 4 weeks. These are sensationallly handsomer than old-fashioned day-lilies: larger, brighter, showier.

EARLY (May-June)

MID-SEASON (July)

LATE (August)

3 Creams \$2.35	Pale Moon — Nice pale yellow. Reliable. 2½ ft. ....\$ .75	Patricia — Creamy yellow, green throat. Fragrant .....\$1.00	High Boy —Tall and very pale .....\$ .75
3 Yellow \$2.00	DuMortieri — Rich yellow. 24-inch \$.65	Hyperion — Finest canary. 4 ft. \$.75	Mrs. W. H. Wyman —Fine lemon \$.75
3 Orange \$3.25	Earliana — Golden orange. Fine...\$1.35	Rajah —Orange and red. Striking \$1.00	August Orange — Rich orange .....\$1.10
3 Pinks \$3.90	Symphony — Rose, red and yellow blend. 3½ ft. ....\$1.35	Pink Charm —Soft Ochre-red pink. 4 ft. tall .....\$1.35	Rosalind — (Fulva rosea). Pinkest of all kinds .....\$1.35
3 Reds \$3.00	Theron — Wine-red. Graceful twisted petals .....\$1.00	Tejas —Intense fiery red, yellow throat. \$1.00	Gay Troubador — Red and cream bicolor. Unusual \$1.25
3 Purple \$3.00	Purple Waters — Wine-purple. Very vigorous .....\$1.25	Port — Port wine on well branched stems. 30-inch \$.75	Persian Princess — Velvet-red overlaid on purple .....\$1.25

Wild Flowers

The following kinds
MUST be fall planted

Dog Tooth Violet

Erythronium americanum—6-in. Attractive mottled foliage. Bright yellow flowers in early spring. 5 for \$1.80 postpaid.

Trillium

Favorite lily-like natives, for shady woods. Flowers must not be picked. Any one kind, 5 for \$1.80 postpaid.

Trillium grandiflorum — Large white flowers in May, turn pink as they age.

Trillium undulatum (Painted Trillium)—Large scarlet and white flowers.

Lady Slippers

Orchids, hardy outdoors in moist, peaty shade. Bloom in May. 5 of one kind \$3.00; 25 for \$10.00 postpaid.

Cypripedium pubescens — Yellow Lady Slipper. Bright color.

Cypripedium spectabile—Showy Lady Slipper. Rosy pink, white sepals.

Jack-in-the Pulpit

Arisaema triphyllum — 8-inch. Maroon in May. Humus, light shade, moist. 5 for \$1.80.

Virginia Blue Bells

Mertensia Virginica — 1 foot. Sheets of brilliant blue in early spring. Part shade. 5 for \$2.00. 25 for \$7.00 postpaid.

Bloodroot

Sanguinaria canadensis — 18-in. Pink-white in April. Rich soil in shade. 5 for \$1.80 postpaid; \$15.00 per 100 express.

Liverleaf Hepatica

Hepatica triloba—6-inch. Flowers vary from pink to blue-white, early spring. Acid, shade. 5 for \$1.80; 25 for \$5.00 ppd.

Virginia Spring Beauty

Claytonia virginica — Grass-like leaves, white in May. Moist shade. 5 for \$1.80, \$15 per 100.



VINCA (The Myrtle)

The most satisfactory, showy, trouble-free of all ground covers. The leaf is small, shiny, dark green all year round. Even in full shade, the leaves grow thickly. It spreads by underground roots. To be sure of coverage within (say) 2 years, we recommend spacing 12 in. apart. There are blue flowers, showy and cheerful, all spring. Will grow and thrive in any soil. **Planting**—Clumps come tied compactly. Untie and spread out when planting. (25) (100) (1000)

Strong clumps\$5.00 \$15.00 \$120.00

BOWLES (Improved) VINCA.

2 year\$12.00 \$40.00 \$350.00

FERNS fine ground covers in the shade

3 of one kind \$1.95 (postpaid)
12 of one kind \$5.00 (postpaid)
100 for \$25.00 (express)

Cinnamonfern (Osmunda). 60 in. Any moist soil.

Christmasfern. 12 in. Dry shade. Evergreen.

Cliff-fern (Polypody). 6 in. Evergreen, drain.

Hayscented Fern. (Dunnstaedtia). 18 in. Tolerant.

Maidenhair (Adiantum). Rich, moist, but drained soil. Easily grown. Showy and popular.

Ladyfern (Arthyrium). 15 in. Shade. Very attractive.

Ostrich Fern (Pteretis nodulosa). 36 in. Very tolerant.

Ebony Spleenwort (Asplenium). 6 in. Evergreen for semi-shade.



Baltic Ivy grows on steeps.

DECIDUOUS VINES- plant late Nov.-Dec.

AMPELOPSIS brevipedunculata (heterophylla). Zone IV. Showy bright blue berries, Sept.-Oct.

2 year\$3.25 ppd., 10 for \$20.00

CAMPISIS radicans (Trumpet Vine). 60 ft. Vine. Zone V. Scarlet flowers, July to Sept. Tolerant.

*12-in. S10 for \$3.00, 100 \$9.50

2-year\$1.25 each, 5 for \$4.50

—**Yellow Trumpet**. Rare form.

3 year\$3.50 ppd., 5 for \$12.50

CELASTRUS scandens (American Bittersweet). 20 ft. Zone IV.

*12-in. S10 for \$2.75, 100 \$12.50

2 year\$1.50 each, 10 for \$9.50

HYDRANGEA petiolaris (Climbing Hydrangea). 35 ft. Vine. Zone III. Self-climbing. White in June.

2 year\$3.75 each, 5 for \$15.00

POLYGONUM auberti (Silver Lace Vine). 25 ft. Zone V. Fast. White bloom September and October. Tolerant. Prune back to live wood each spring.

2 year\$1.50 each, 5 for \$5.00

WISTERIA floribunda (multijuga). (Long-cluster Wisteria). 25 ft. Zone V. Fragrant purple, May. Humus, drain, sun.

2 year X\$1.95 each, 5 for \$7.50

...plants that cover the ground where grass will not thrive . . .

LIVING CARPETS

Eventually one plant will cover a large area, but on banks it is important to get the soil held quickly. We suggest bad steeps

be planted 10 inches apart each way — gentler slopes 1 foot, except as noted on descriptions. Plant all evergreen kinds Sept. - Oct.

EVERGREEN GROUND COVERS

(10) (25) (100) (1000)
PACHYSANDRA terminalis—Tolerant in poor soil and shade. Set 3 to each sq. ft. Zone V.

1 year field grown	\$3.00	\$9.50	\$85.00
2 year field grown	4.50	15.00	120.00

HEDERA baltica (Hardy English Ivy)—Fine ground cover for steep slopes in shade or sun. Does not climb readily. Zone V. Space 1½ ft.

2-in. pots	7.50	26.00	240.00
3-in. pots	\$8.50	20.00	72.00

LONICERA japonica (Honeysuckle)—Sun or shade. Any soil.

2-yr. No. 1	3.00	6.50	18.00	140.00
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THYMUS SERPYLLUM (Creeping Thyme)—A mat in sun or light shade that blankets the ground. Evergreen. Can be walked on. Zone III. Set 12 in. apart. Well drained soil.

Sturdy plants	6.00	13.00	50.00	400.00
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HARDY GALAX (*Galax aphylla*)—Huge bronze and green leaves. Moist shade.

Clumps with ball	4.50	8.00	25.00	190.00
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TRAILING ARBUTUS (*Epigaea repens*)—Waxy pink, May. Zone II, acid soil, semi-shade.

Balled clumps	6.00	10.00	30.00
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OCONEE BELLS (*Shortia glacifolia*)—Rarest of all. Zone V. Evergreen leaf, showy pink-white flower spike.

Clumps	6.00	10.00	30.00
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BEARBERRY (*Arctostaphylos uva-ursi*)—Low matting evergreen. Best cover for sandy banks—succeeds even on seashore. Sun, drain.

Pot-grown	9.00	19.00	72.00
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WINTERGREEN (*Gaultheria procumbens*)—Small neat mat of evergreen in baking sun.

Balled clumps	3.00	6.00	20.00	175.00
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MOTTLED WILDGINGER (*Asarum shuttleworthi*)—Large, round evergreen leaves, shade or sun.

Strong clumps with ball	6.00	10.00	30.00
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EUONYMUS fortunei radicans (Winter Creeper)—Zone V. Small evergreen leaves. Nice green.

2-year transplants	7.00	13.50	50.00	400.00
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EUONYMUS fortunei colorata (Purple Winter-Leaf).

2-year transplants	6.00	11.00	40.00	325.00
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DECIDUOUS GROUND COVERS (Plant Nov.)

PUERARIA thunbergiana (Kudzu) Very fast, handsome, but coarse grower. Holds banks in poor soil, enriches soil nitrogen.

Zone VI. 2-yr. X	4.50	14.00	80.00
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ROSE wichuriana (Memorial Rose)—Branches grow quickly, droop and root. Thickset effect. Best in sun. Zone IV. Space 2 ft. apart.

2-year field grown X	8.00	18.00	60.00	500.00
6 to 12" seedlings	5.00	18.00	150.00	.....

2 Grades of Shrubs

(S) Seedlings and cuttings should be cut back after planting. Easily planted and in two years should be the size of "x" grades below. Express about 10 to 15% extra on arrival.

AMELANCHIER (25) (100) (1000)
canadensis Downy Shadblow
 12 to 18 in. \$5.00 \$16.00 \$120.00

BERBERIS Thunbergii (Japanese Barberry)
 6 to 12 in. S..... 4.00 12.00 90.00
 12 to 15 in. S..... 5.00 18.00 120.00

B. thunbergii Atropurpurea
 6 to 12 in. S..... 9.00 22.00 180.00

LIGUSTRUM (Privet)
 —*amurensis* (Amur Privet—"North")
 —*ibolium* (Hybrid Privet)
 —*ovalifolium* (California Privet)
 12 to 18 in. (2 Br.) 3.50 10.00 80.00

Thunberg's Barberry is slow (as shrubs go) yet the 1-year seedling grew into the full specimen in six years! Plant small shrubs now and save 80% of cost.

ILEX verticillata (Winterberry) (25) (100) (1000)
 12 to 18 in. 5.00 15.00 100.00

MACLURA (Osage Orange)
 18 to 24 in. 2.50 7.50 55.00

LONICERA (Honeysuckle)
 —*Morrowi* and *Tatarica*,
 12 to 18 in. S..... 4.00 12.00 60.00

—*fragrantissima*
 12 to 18 in. S..... 5.00 15.00 90.00

RHAMNUS cathartica (Buckthorn)
 12 to 18 in. S..... 2.00 6.00 40.00

VIBURNUM Trilobum (Amer. Cranberry)
 12 to 15 in. S..... 8.00 25.00 190.00

—*Carlesii* (May Viburnum)
 8 to 12 in. S..... 18.00 60.00 500.00

WEIGELIA rosea (pink)
 12 to 18 in. S..... 5.00 15.00 90.00

(X) Transplants are bushy and shapely as a rule. A few of the most popular for hedges and mass plantings are offered here in quantity. Single plants are priced in the next 3 pages. Express runs about 10% to 15% extra on arrival.

(10) (25) (100)
BERBERIS Thunbergii (Japanese Barberry)
 12 to 15 in. X..... 6.00 12.00 40.00

B. thunbergii Atropurpurea
 12 to 15 in. X..... 8.00 20.00 70.00

FORSYTHIA intermedia and **—spectabilis**
 2 to 3 ft. X..... 6.00 12.50 45.00

(10) (25) (100)
HYDRANGEA PeeGee (white to pink, Aug.)
 2 to 3 ft. X 7.50 15.00 50.00

LIGUSTRUM (Privet)
 —*amurensis* (Amur Privet—"North")
 —*ibolium* (Hybrid Privet)
 —*ovalifolium* (California Privet)
 3 to 4 ft. (4 Br.) ... 7.50 12.00 40.00

LONICERA (Honeysuckle)
 —*Morrowi* and *Tatarica*,
 2 to 3 ft. X..... 5.50 12.50 45.00

PHILADELPHUS
 —*virginal* (double fragrant Syringa)
 2 to 3 ft. X..... 12.00 22.50 80.00

SPIRAEA Anthony Waterer
 12 to 15 X..... 9.50 18.00 65.00
 —*Van Houttei* (Modern Bridalwreath)
 2 to 3 ft. X..... 8.00 15.00 50.00

SYMPHORICARPOS Chenaulti
 (Improved Coralberry)
 2 to 3 ft. X..... 9.00 18.00 65.00

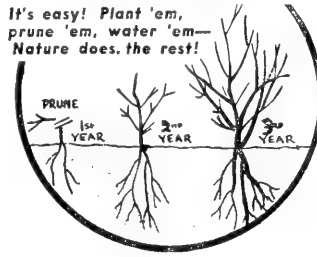
WEIGELIA rosea (pink)
 3 to 4 ft. X..... 8.00 16.00 55.00



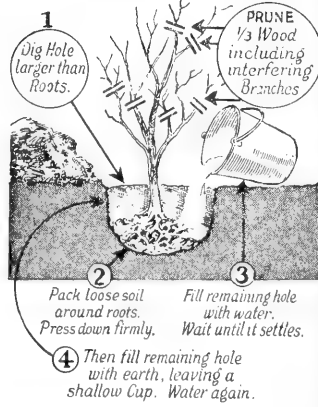
DECIDUOUS FLOWERING

SHRUBS

Bloom young, usually in second year. But after ten years they need more space. So plant 3 feet apart and arrange that every second shrub can be removed in later years. (Dwarf shrubs take just half this spacing.)



PLANTING SHRUBS



PRUNING SHRUBS—Flowers come on old wood, so the rule is to prune when in bloom or just afterward. Thus no potential bloom is lost. Natural shrub shape is to have many main stems in a clump all ascending from the ground, so prune out old branches completely at the ground line thus encouraging plenty of new vigorous shoots. Branches in flower can be taken for house decoration at the time of pruning ("*" = young, unshaped plants.)

AESCULUS pavia rubra (Dwarf Red Horse-chestnut). Zone V to 15 ft. Bushy shrub with handsome July blooms.

12-18 in. X \$2.50, 5 for \$10.00
18-24 in. X 3.50, 5 for 15.00

AMELANCHIER Canadensis. 20 ft. Zone IV. Thin, bushy shrub or tree. Gay white show in early July.

*12 in. 25 \$5.00, 100 \$16.00
2-3 ft. \$2.00 each, 10 \$15.00

BENZOIN aestivale (Spice Bush). 12 ft. Zone IV. Damp. A mist of pale yellow in April. Red berries.

*12-18 in. 25 \$5.00, 100 \$16.00
2-3 ft. \$2.00, 10 for \$15.00

BERBERIS thunbergi (Japanese Barberry). 5 ft. Zone IV. Very tolerant. Bushy and dense, red berry in autumn. Fine hedge.

*6-12 in. S 25 \$4.00, 100 \$12.00
*12-15 in. S ... 10 \$2.50, 100 \$18.00
12-15 in. X 10 \$6.00, 100 \$40.00

—**Atropurpurea.** Red leaf form.

*6-12 in. S 25 \$9.00, 100 \$22.00
12 in. X 10 \$8.00, 100 \$70.00

CALLICARPA purpurea (Beauty-berry). 5 ft. Zone V. Violet berries, Oct. Tolerant.

18-24 in. X.....\$1.75 each, 10 \$12.50

CALYCANTHUS floridus (Sweet-shrub). 9 ft. Zone IV. Fragrant brown in June.

*12 in. S 10 \$2.50, 100 \$9.00
2 ft. X \$1.50, 10 \$9.00, 100 \$75.00

CHAENOMELES japonica (Japanese Quince). 4 ft. Zone IV. Sun. Bushy dwarf. Scarlet flowers in April. Tolerant. Slow growth.

*12 in. S 25 \$4.50, 100 \$13.50
2 ft. X \$1.35, 10 \$11.00, 100 \$95.00

CITRUS trifoliata. 12 ft. Zone V. A hardy orange. Not edible, but showy small "oranges."

*12-20 in. S 5 ppd. \$4, 100 \$40

CLETHRA alnifolia (Summer Sweet). 7 ft. Zone III. White fragrant spikes vary from July to August. Acid soil.

*12 in. S 10 \$3.00, 100 \$16.00
15-18 in. X \$1.75 ea., 10 \$12.00

—**a. rosea.** Pink flowered form.

*2¼ in. pot 5 \$4.00, 100 \$30.00
1½ ft. ... \$1.80, 10 \$15.00, 100 \$100

CORNUS mas (Cornelian cherry). 20 ft. Zone IV. Yellow bloom April. Scarlet berry August. Tolerant.

2-3 ft. \$2.25 each, 10 \$18.00

CORYLOPSIS sinensis. 15 ft. Zone (V). Fragrant yellow, April.

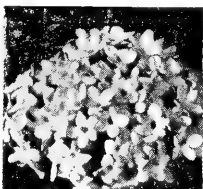
12-18 in. (ppd.) \$2.50 each, 5 \$10



**Amelanchier
Canadensis**



**Potentilla
Gold Drop**



**Viburnum
Burkwoodii**



**Chaenomeles
(Cydonia)
Japonica**

DEUTZIA gracilis. 3 ft. Zone IV. Drain. Dainty mass of white, May. 15-18 in. ... \$1.50, 10 \$12.50, 100 \$95 2-3 ft. \$1.75, 10 \$15.00, 100 \$120

—**rosea.** Pink flowers.

*1 yr. X 25 \$8.00, 100 \$30.00
15-18 in. X ... \$1.50 each, 10 \$12.50

s c a b r a — Pride of Rochester. Large pinkish white blooms. Vigorous. Zone V. 8 ft.

*18 in. 25 \$5.00, 100 \$13.00
2 ft. \$1.25, 10 \$9.50, 100 \$60.00

ELEAGNUS angustifolia (Russian Olive). 20 ft. Zone II. Drought-resisting. Yellow berries in September.

*12-18 in. S 25 \$3.00, 100 \$9.00
3 ft. X \$1.50, 10 \$12.50, 100 \$110

umbellatum. 12 ft. Zone III. Fragrant yellowish in June. Red fruit. 2-3 ft. \$1.75 each, 10 \$15.00

ENKIANTHUS campanulatus. 15 ft. Zone IV. Red-veined yellow flowers in May. Brilliant red autumn leaves. Humus, acid.

18-24 in. X \$2.50 each, 5 \$10.00
*12-15 in. X 5 \$7.00, 25 \$25.00

EUONYMUS alatus compacta (Winged Euonymus). 5 ft. Zone III. Pink-crimson autumn leaves. Very showy. Neat, dense form.

*4-6 in. X 10 \$7.50, 100 \$60.00
1½-2 ft. \$2.50 each, 2 \$4.50

FORSYTHIA intermedia (Golden Bell). 9 ft. Zone VI. Familiar yellow blooms in April.

*12-18 in. S 25 \$3.50, 100 \$9.50
2-3 ft. X 5 \$3.00, 100 \$45.00

—**Lynwood Gold.** 7 ft. Zone V. Very many, very large, very deep yellow blooms. New, outstanding. *1-yr. cuttings 10 \$8.00, 100 \$55.00 2 ft. ... \$2.00, 10 \$16.00, 100 \$135.00

—**spectabilis.** More, larger, yellow flowers. Zone V. 8 ft.

*12 in. 25 \$4.00, 100 \$12.00
2 ft. \$1.50, 10 \$6.00, 100 \$45.00

HAMAMELIS mollis (Chinese Witch-Hazel). Very showy yellow. Feb. and March. 20 ft. Zone V.

2-3 ft.—\$6.00 3-4 ft.—\$8.00

virginiana (Winter Witch-Hazel). 12 ft. Zone IV. Yellow in Nov.

*12 in. S 25 \$5.00, 100 \$15.00
2-3 ft. \$2.50, 10 \$18.00, 100 \$150

ILEX verticillata (Winterberry). 15 ft. Zone III. Dampness preferred. Many red berries all winter. A show.

*12 in. S ... 25 for \$5.00, 100 \$15.00
2 to 3 ft. \$2.00 each, 10 \$18.00

LIGUSTRUM amurense (Amur Privet "North"). 12 ft. Zone V. Almost foolproof.

*12 in. (2 Br.) 25 \$3.50, 100 \$10
3 ft. (4 Br.) 10 \$7.50, 100 \$40

Ibodium (Hybrid). 12 ft. Zone V. Like California, but hardier.

*12 in. (2 Br.) 25 \$3.50, 100 \$10
3 ft. (4 Br.) 10 \$7.50, 100 \$40

LONICERA fragrantissima. (Winter Honeysuckle). 6 ft. Zone V. Yellow, fragrant, April; red berries, July. Semi-evergreen.

*12-18 in. 25 \$5.00, 100 \$15.00
2-3 ft. ... \$1.50, 10 \$9.50, 100 \$80.00

tatarica (Tatarian Honeysuckle). 8 ft. Zone IV. Bushy, Flower, June; red berry, July. Order: **White or Pink.**

*12-15 in. 25 \$4.00, 100 \$12.00
2-3 ft. ... \$1.35, 10 \$5.50, 100 \$45.00

—**Zabelli (Red).** Fine color form of tatarica.

*12-18 in. 25 \$7.00, 100 \$25.00
2 ft. \$1.35, 10 \$11.00, 100 \$90.00

MYRICA carolinensis (Bayberry). 6 ft. Zone II. A shapely rounded bush. Good foliage. Barren, sandy soils.

6-12 in. 10 \$6.00, 100 \$45.00
12 in. BB 5 \$10.00, 100 \$120.00

PHILADELPHUS coronarius (Sweet Syringa). 9 ft. Zone IV. White, June. Fragrant. Needs lime.

*12-18 in. 25 \$4.50, 100 \$15.00
2 ft. \$1.50, 10 \$9.00, 100 \$60.00

—**virginal.** 8 ft. Zone V. Double, fragrant, translucent white blooms load the bush in June. Then a few show through summer.

*8-12 in. X 25 \$8.50, 100 \$30.00
2 ft. \$1.50, 10 \$12.00, 100 \$80.00

POTENTILLA golddrop. Dwarf fern-like leaves, gold flowers all summer. Zone IV. 4 ft.

1-1½ ft. \$1.60 each, 2 \$2.95 ppd.

RHAMNUS frangula. 15 ft. Zone II. Shiny leaves. August a load of red-purple fruit.

2 ft. \$1.75, 10 \$15.00, 100 \$90.00

SPIRAEA Van Houttei (Modern "Bridal-wreath"). 6 ft. Zone IV. Familiar everywhere for the white May garlands.

*12-18 in. 25 \$4.00, 100 \$12.00

2 ft. \$1.00, 10 \$8.00, 100 \$50.00

prunifolia (true Bridalwreath). 8 ft. Zone V. Double white, May.

*12-18 in. S 25 \$5.00, 100 \$15.00

2 ft. \$1.50, 10 \$7.50, 100 \$60.00

VIBURNUM burkwoodi. 6 ft. Zone V. New hybrid, with fragrant pink blooms in May, borne young. Half evergreen.

*2 in. pots 5 \$4.00, 100 \$60.00

2 ft. X \$4.50, 10 for \$40.00

—**Carlesii** (May-flowering Viburnum). 5 ft. Zone V. Fragrant showy pink.

*8 in. S.....25 \$18.00, 100 \$60.00

18 to 24 in. X. \$3.50, 2 for \$6.00

prunifolium (Blackhaw). 20 ft. Zone III. Showy white, May. Blue fruit all winter.

2 ft. \$1.75, 10 \$13.50, 100 \$95.00

tomentosum (Doublefile Viburnum). 10 ft. Zone IV. Horizontal strings of snowy blooms in June.

*6-12 in. S 25 \$12.00, 100 \$42.00

2-3 ft. \$2.75 each, 10 \$17.50

—**plicatum** (Japan Snowball). Form without fruit, but showier.

1½-2 ft. \$1.75 each, 10 \$15.00

trilobum (American High-bush Cranberry). 12 ft. Zone II. Bright berries all winter. Fall color.

*12-15 in. S 25 \$8.00, 100 \$25.00

2 ft. \$1.50, 10 \$14.00, 100 \$120

WEIGELA rosea. 9 ft. Zone V. May. Pink. Drainage.

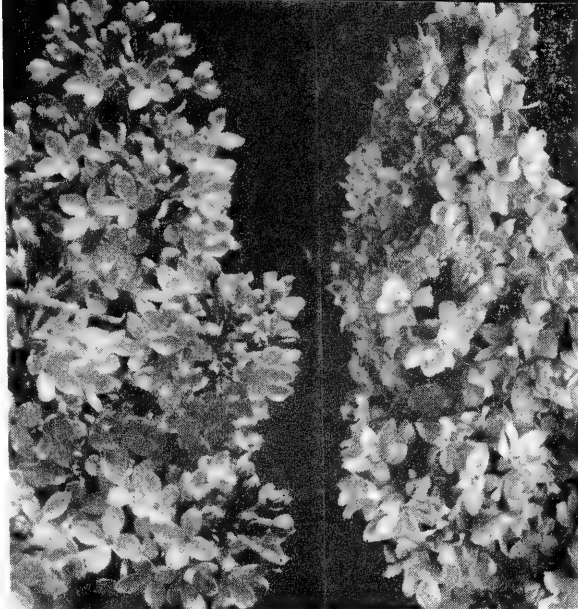
*12-18 in. 25 \$5.00, 100 \$15.00

3-4 ft. \$1.35, 10 \$8.00, 100 \$55.00

—**Vanicecki.** Bright red blooms. June to August and plenty of them. Splendid new variety.

*6-12 in. X 10 \$5.50, 100 \$40.00

2-3 ft. \$1.75 each, 10 \$15.00



SYRINGA—the Lilacs

All prefer fall planting to Spring, since they bud early. All tolerant, but need extra lime.

NAMED FRENCH LILACS

Any 5 for
\$9.50 postpaid.

Huge fragrant trusses in many colors. Both "S" (Single) and "D" (Double) forms are charming. Ratings below are by experts — 10.0 would be perfect. Color notes are mere indications.

(25 OR MORE AT \$1.00 EACH)

- Charles Joly** (6.8) Double Red
- Charles Tenth** (6.8) Single Red
- Des Fontaines** (6.1) D. Violet
- Ludwig Spaeth** (7.8) S. Reddish
- Mme. Casimir Perier** (6.3) D. White
- Mme. Florent Stepmann** (6.8) S. White
- Mme. LeMoine** (6.6) D. White
- Pres. Grevy** (6.9) D. Blue
- Pres. Loubet** (6.4) D. Red-Purple
- Thunberg** (6.9) D. Pinkish
- Vestale** (8.5) S. White. Outstanding
- Volcan** (6.7) S. Reddish
- Waldeck Rousseau** (6.7) D. Pink-Lavender

OLD-FASHIONED LILACS

COMMON PURPLE

Syringa Vulgaris

15 ft. Zone III. Fragrant purple.

*12 in. S 10 \$5, 100 \$18

2 ft. \$1.50, 10 \$12

COMMON WHITE

S. Vulgaris Alba

Same, but neater-growing bush and white flowers.

2 ft. \$1.50, 10 \$12

3 Grades of Trees

(S) SEEDLINGS grow rapidly. Soak well after planting, and prune back. To keep a single stem: prune out all side twigs, and later again cut away all but one single stem.



1 to 2
YEARS

ACER (Maple)	(25)	(100)	(1000)
dasyarpum (Silver Maple)			
*12 to 18 in.	\$2.00	\$6.00	\$35.00
rubrum (Red Maple)			
*18 to 24 in.	4.50	15.00	95.00
saccharum (Sugar Maple)			
*12 to 18 in.	12.50	85.00	
BETULA (Birch)			
populifolia (Gray Birch)			
18 to 24 in.	6.00	18.00	120.00
papyrifera (Paper Birch)			
*12 to 18 in.	5.00	15.00	120.00
CERCIS (Red Bud)			
*12 to 18 in.	9.00	50.00	
CORNUS florida (White Flowering Dogwood)			
*12 to 18 in. S	4.00	12.00	95.00

JUGLANS nigra (25) (100) (1000) (Black Walnut)			
*12 to 18 in. S	\$3.50	\$10.00	\$70.00
LIQUIDAMBER (Sweet Gum)			
*12 to 18 in. S	5.00	15.00	95.00
MORUS (Mulberry)			
alba (Russian Mulberry)			
*12 to 18 in.	6.00	40.00	
POPULUS (Lombardy Poplar)			
*18 to 24 in.	3.00	9.00	60.00
QUERCUS (Oak)			
alba (White Oak)			
*12 to 18 in. S	5.00	15.00	120.00
Palustris (Pin Oak)			
*12 to 18 in. S	6.00	20.00	155.00
rubra (Red Oak, Northern)			
*9 to 12 in. S	5.00	15.00	120.00

(X) TRANSPLANTS give quick results at great saving over full specimen sizes. They are young and transplant more easily and grow more vigorously than older stock. Yet you save 2 to 4 years over small seedlings above.



3 to 4
YEARS

ACER (Maple)	(10)	(100)
Rubrum (Red Maple)		
4 to 6 ft.	\$15.00	\$125.00
6 to 8 ft.	22.00	180.00
saccharum (Sugar)		
4 to 6 ft.	15.00	135.00
6 to 8 ft.	22.00	180.00
platanoides (Norway)		
4 to 5 ft.	12.50	100.00
BETULA (Birch)		
alba (European White)		
4 to 5 ft.	24.00	200.00
papyrifera (paper)		
4 to 5 ft.	18.00	150.00
populifolia (Gray)		
4 to 5 ft.	18.00	150.00
CERCIS canadensis (Red Bud)		
4 to 5 ft.	18.00	120.00
CLADRASTIS (Yellow-Wood)		
4 to 6 ft.	40.00	350.00

CORNUS florida (dogwood)	(10)	(100)
4 to 5 ft.	35.00	280.00
FRAXINUS (American Ash)		
4 to 5 ft.	13.50	120.00
HICORIA (Shagbark Hickory)		
4 to 5 ft.	20.00	150.00
MORUS alba (Mulberry)		
4 to 5 ft.	12.00	95.00
LIQUIDAMBER (Sweet Gum)		
4 to 5 ft.	18.00	150.00
LIRODENDRON (Tulip)		
4 to 5 ft.	18.00	135.00
OXYDENDRUM (Sour-wood)		
4 to 5 ft.	17.50	125.00
POPLAR, Lombardy		
5 to 6 ft.	8.50	65.00
Bolleana		
4 to 5 ft.	15.00	125.00
PLATANUS (American Sycamore)		
4 to 5 ft.	12.50	95.00
6 to 8 ft.	22.50	175.00
8 to 10 ft.	30.00	250.00
(oriental plant tree)		
4 to 5 ft.	20.00	160.00

LANDSCAPE GRADE has no "*" before it in the listing on next pages. Prune side branches only. Express about 10% additional.

DECIDUOUS TREES

All the kinds in the special sizes offered will succeed fully as well as well planted in Oct.-Dec. as next spring and they will grow 50% better next year.

PLATANUS (Sycamore)
occidentalis (25) (100) (1000)
*12 to 18 in. 3.00 9.00 50.00

ROBINIA (Black Locust)
*12 to 18 in. 5.50 40.00
3 to 4 ft. 3.00 9.00 75.00

SOPHORA Japonica
*12 to 18 in. S 9.00 28.00 200.00

SALIX (Willow)—any one kind
babylonica (green weeping)

Niobe (Golden Weeping)
*18 to 24 in. 7.50 25.00 200.00

TILIA (American Linden)
*2 to 3 ft. X25.00 85.00

ULMUS (Elm)
americana (American Elm)
*2 to 3 ft. 3.00 9.00 70.00
pumila (Chinese or Siberian Elm)
*2 to 3 ft. 4.00 10.00 80.00

Among "slow" trees known to have reached 30 feet or more in their first 15 years of life are Red Oak, Pin Oak, most Maples, Liriodendron, several Birches, Black Locust and Linden.

QUERCUS (Oak) (10) (100)
Coccinea (Scarlet Oak)
4 to 6 ft.\$ 25.00 \$180.00

Palustris (Pin Oak)
4 to 5 ft. 35.00 300.00

Borealis (rubra) Red Oak
4 to 5 ft. 25.00 180.00

SALIX (Willow)
Babylonica (Weeping)
4 to 5 ft. 12.50 110.00

Wisconsin (Hardy Weeping)
4 to 5 ft. 12.50 110.00

Golden Weeping (Niobe)
4 to 5 ft. 12.50 110.00

SORBUS (Mountain Ash)
4 to 5 ft. 20.00 190.00

TILIA (American Linden)
4 to 5 ft. 18.00 145.00

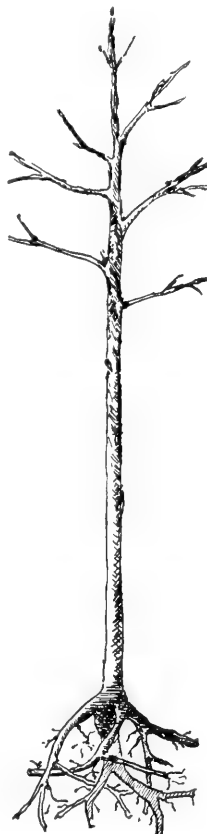
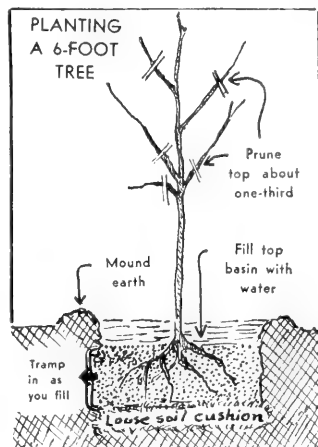
ULMUS (American Elm)
5 to 6 ft. 18.00 150.00

pumila (Siberian)
4 to 5 ft. 9.00 75.00

LANDSCAPE GRADE
4 to 10 years old—

Only exceptions are the Birch and Beech, which add perhaps 10% to transplanting risk by fall planting (5 of one kind at 10 rate, 50 to 100 rate.)

On these 6 pages is an alphabetical list of trees. Many sorts not listed can be quoted on request. Small, bushy trees are included in this list, though some of them come close to being shrubs.



ACER platanoides (Norway Maple) 60 ft. Zone III. Dense, round-headed.

4 to 5 ft. 5 for \$6.25, 100 \$100.00
6 to 8 ft. \$6.00 each, 10 \$55.00
8 to 10 ft. \$8.50 each, 10 \$75.00

—**Crimson King**. A form with dark purple leaves that holds color all summer (Pat. No. 735).
5 to 6 ft. \$6.50 each, 10 \$55.00

palmatum atropurpureum (Red-leaved Maple). 10 ft. Shrubby.

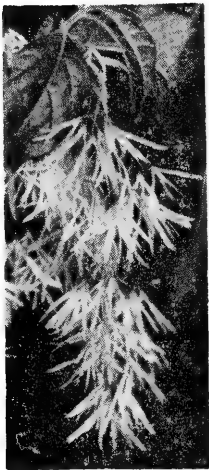
—**Bloodgood**. Grafted form, very red leaves all summer. The best.
*10 in. 1 yr. \$3.00 each, 10 \$25.00
18-24 in. X \$5 each, 10 \$45.00
18-24 in. BB \$7.50 each, 10 \$70.00

ALBIZZIA julibrissin rosea (Hardy Mimosa). Bushy tree. 18 ft. Zone V. Very rare. Interesting pink flower, when blooms are scarce in July.

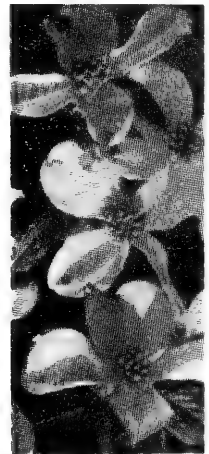
4 to 5 ft. \$5.00 each, 5 \$20.00
5 to 6 ft. \$6.50 each, 5 \$30.00

BETULA alba (European White Birch). 40 ft. Zone II. Good white bark. Spreading. Very tolerant tree.

3-ft. clumps \$4.00, 5 \$17.50
6 to 8 ft. \$4.50 each, 10 \$35.00
4 to 5 ft. 5 \$12.00, 100 \$200.00



CHIONANTHUS



DOGWOOD

BIRCHES



CELTIS occidentalis. 100 ft. Zone II. Good straight timber, handsome. Moist. Stands city.
6-8 ft.....\$7.50 8-10 ft.....\$9.50
*12 in. S.....25 \$3.00, 100 \$10.00

CERCIS canadensis (Red Bud). 20 ft. Zone IV. Rosy pink buds cover bare branches in April. Humus. Beautiful. Part shade.
*12 in. S.....25 for \$3.00, 100 \$ 9.00
*2-3 ft. X.....5 for \$7.00, 100 100.00
4 to 5 ft.....\$4.00 each, 5 for \$15.00

—**alba (White Bud).** Very rare, showy white form of Red Bud.
3-4 ft.\$10.00 each, 2 \$17.50

chinensis (Chinese Red-bud). 40 ft. Zone VI. More, larger, darker flowers than our native.
3-4 ft.\$3.25, 2 for \$6.00

CORNUS florida (Flowering Dogwood). 25 ft. Zone IV. Very showy white in May, red berries October on. Acid, humus.
12 in. S25 for \$4.00, 100 \$12.00
2 ft. X5 for \$9.00, 25 \$35.00
3 to 4 ft.....\$3.00, 10 for \$25.00
4 to 5 ft.....\$5.00 each, 10 \$35.00

—**fl. plena.** (Double Dogwood). Rare form with showy double white bloom. Finer than the single.
*12 to 18 in.....5 for \$12., 50 \$95.
3 to 4 ft.\$6.50, 5 for \$28.00

—**fl. rubra.** (Pink Flowering). Pink flowers. No real red is known, but the clear pink is a beautiful tone. Plant in with white for best effect.
*12 in.5 for \$11.00, 100 \$155.00
2 to 3 ft.....\$5.50, 5 for \$25.00
4 to 5 ft.....\$9.50, 5 for \$45.00

—**fl. Super-red.** The nearly-red Dogwood. New Much darker than rubra.
2 to 2½ ft.\$7.00 each
*6-12 in. X.....5 \$9.00, 25 \$35.00

kousa. (Japan Flowering Dogwood). 20 ft. Zone V. Like our native C. florida, but in June and more tolerant. Bushier.
*6 to 12 in. X.....2 for \$3.50, 10 \$15.

—**kousa chinensis.** Form with larger, whiter flowers.
1½ to 2 ft. X.....\$5.50 each
5 to 6 ft.\$8.50 each

CHIONANTHUS virginica (White Fringe). 25 ft. Zone IV. Fragrant white tassels in May. A slow tree, but worth waiting for. Good drainage.
*12 in. X2 for \$3.00, 10 \$10.00
3 to 4 ft.\$3.50 each, 10 for \$30.00

—**retusus.** 18 ft. Zone V. Similar, and as handsome as the above. Blooms June-July, when few trees bloom, and for this reason very desirable. Rare.
*3 in. pot.....2 for \$3.00, 10 \$10.00

CLADRASTIS lutea (Yellowwood). 50 ft. Zone III. Showy white, fragrant, June. Stands drought fairly well. Fine native.
*12 inch2 for \$3.00, 10 \$10.00
4 ft.\$4.50, 10 \$40.00, 100 \$350.00

CRATAEGUS cordata (Washington Thorn). 2 ft. Zone IV. Round head, bushy. Red fruit all winter.
2 to 3 ft. X.....\$2.50, 10 for \$15.00
3 to 4 ft. X.....\$3.50, 10 for \$25.00

—**oxycantha splendens.** (Paul Scarlet Hawthorne). 20 ft. Zone IV. Showy red flowers. Red berries. Prefers sun, lime, and heavy soil—even clay. In light soils, manure.
4 to 5 ft.\$4.25, 5 for \$17.50

DAVIDIA involucrata. Called the most beautiful tree in the world by Dr. Wilson. Covered with large flowers "like white doves" in June. Zone VI.
2 to 3 ft.\$18.50 each

FAGUS sylvatica riversi (Purple Beech). 80 ft. Zone IV. Reddish-purple leaves. Handsome, bushy tree.
2-3 ft. X.....\$5.00 ppd., 5 for \$20.00

FRAXINUS americana (White Ash). 100 ft. Zone III. Vigorous, tolerant.
*12-18 in. X.....25 \$2.50, 100 \$8.00
4-5 ft.5 \$6.25, 100 \$120.00
6-8 ft.\$6.00 each, 5 \$20.00

Pennsylvanica Marshall Seedless. 70 ft. Zone III. Dark glossy leaf. No seeds. Few insects.
5 to 6 ft.5 for \$15.00, 100 \$250.

FRANKLINIA ALATAMAHA

Ben Franklin's Tree

(Photo Front Cover)

35 ft. Zone V. Large white and yellow blooms fragrant from August to frost. Damp, acid, humus, blooms best in sun. An extraordinary native.

Leaves bright red in autumn—while white flowers still open. The only flowering tree that blooms in late fall. Unlike most trees, small sizes need more "nursing" than larger.

	(each)	(10)
*8 to 12 in. S.....	\$12.00	
18 to 24 in. X.....	\$4.00	35.00
3 to 4 ft.	7.00	60.00
4 to 5 ft.	9.00	85.00
5 to 6 ft.	12.00	100.00

GINGKO biloba (Maidenhair Tree). 100 ft. Zone IV. Slow, but tolerant of city conditions.

*12 in. S.....	10	\$8.50, 100 \$60.00
*2 ft. X	2 for	\$6.00, 10 \$25.00
6 ft.	\$14.00 each,	5 for \$60.00

GLEDITSIA tricanthos (Honey Locust). 100 ft. Zone IV.

—**Moraine Locust**. Form with no thorns and no fruit, hence does not litter a lawn. A useful tree. 5-6 ft.\$6.50 each, 5 \$30.00

HALESIA monticola (Mountain Silverbell). 60 ft. Zone V. Many whitebells in May. Acid, humus. 2 to 3 ft. X.....\$3.00, 5 for \$12.00
4 to 5 ft. X.....\$5.00, 5 for \$20.00

—**tetraptera**. (Great Silverbell). 25 ft. Zone IV. White in May. (Same prices).

KOELREUTERIA paniculata (golden rain). 25 ft. Zone V. Sun, lime, dry. Large yellow clusters in July, showy. 12 in. S.....10 for \$9.00, 100 \$60.00
4 to 5 ft. X....\$4.75 each, 10 \$35.00

LABURNUM vossi (Hybrid Golden Chain). 35 ft. Zone V. Yellow in May. Lime. Bright green stems in winter. 4 to 5 ft.....\$5.75 each, 5 for \$25.00

JUGLANS nigra (Black Walnut). 120 ft. Zone IV. Rich, moist. Majestic, good timber, handsome leaf and delicious nuts.

*1½ ft. S.....	25	\$5.00, 100 \$15.00
5 to 6 ft.....	\$5.00 each,	10 \$40.00

MAGNOLIA stellata (Star Magnolia). 12 ft. Shrubby. Zone V. Ribbony, white blooms, April.

*1½ ft. S.	25	\$5.00, 100 \$15.00
18 in. BB	\$6.50 each,	5 for \$30.00

—**stellata waterlily**—double pink.

*3 in. pot.....	\$3.75,	5 for \$15.00
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soulangeana (Saucer Magnolia). 20 ft. Zone V. Late April show of large pink blossoms.

18 in. B&B.....	\$4.75,	5 for \$40.00
3 to 4 ft. B&B.....	\$7.50,	5 for \$68.00

glauca (Swamp Laurel). 16 ft. Zone V. Prefers moist, but tolerant. Semi-evergreen. White blooms June to August. Fragrant.

*10-12 in. X.....	10	\$15.00, 100 \$125.
15-18 in. XX.....	5	\$12.50, 25 \$55.00

macrophylla (Big-leaf Magnolia). 60 ft. Zone V. 18-inch leaves, foot-wide flowers May, fragrant.

4 to 5 ft.....	\$4.50,	5 for \$20.00
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MALUS-Flowering Crabs

Vigorous, hardy, and breathtaking. Zone III to V. Easy to grow. Showy in May. Any one kind.

*1 yr. grafts	5	\$6.50, 25 \$25.00
2 to 3 ft.	\$1.75 each,	10 \$15.00
4 to 5 ft.	\$3.00 each,	10 \$25.00

Floribunda. 18 ft. Pink, white.

Flor. purpurea, purple leaf form.

Columnar Pink. Narrow column to 15 ft. double pink.

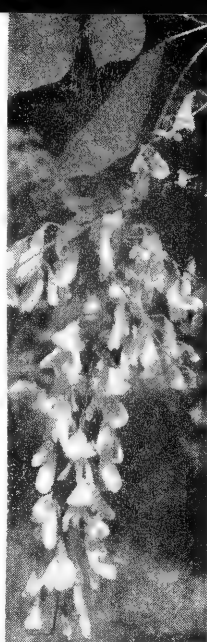
Hopa. Entirely covered. Rose blooms, red fruit. Zone III.

Jay Darling. Red leaf, flower, fruit. Good jelly.

Lemoine. Purple leaf, dark red flower and fruit.

Almey. Bright red flowers and fruit. New. Outstanding.

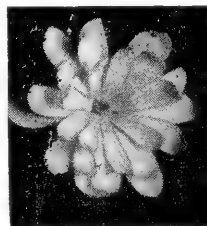
Zumi calicarpa. Large pinkish. Fruit red. Popular.



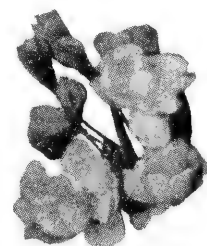
KOELREUTERIA



DAVIDIA



MAGNOLIA
Water-Lily



MALUS



PIN OAK

METASEQUOIA (Dawn-red-wood. Deciduous. The new living fossil conifer from western China. Hardiness probably Zone III. One of the rarest trees.

*12 to 15 in. (pots)...\$3.50 each
3 to 4 feet.....\$13.50 each

MORUS alba (Russian Mulberry). 30 ft. Zone IV. Round-topped tree. Fruit white to purple, edible.

*2 ft. S25 \$3.00, 100 \$9.00
4 ft.5 \$6.00, 100 \$95.00

NYSSA salviatica (Tupelo). 60 ft. Zone IV. Interlaced, drooping. Early autumn color. Moist. Hard to transplant, without earth ball.

3 ft. BB—\$3.50 4 ft. BB—\$5.00

OXYDENDRUM arboreum (Sorrel Tree). 30 ft. Zone IV. Peach-leaves turn red in autumn. Long clusters of white in July. Acid.

*12-18 in. S.....25 \$5.00, 100 \$15.00
4-5 ft. X...\$3.50, 10 \$17.50, 100 \$125.

PAULOWNIA tomentosa (Empress Tree). Large violet blooms early May, before leaves. 40 ft. Zone VI. Often winter damaged, but fragrant and beautiful.

4-5 ft. X\$5.00 each, 5 \$20.00

PHELLDENDRON amurense (Amur Cork-tree). 50 ft. Zone III. One of the best small shade trees. Conspicuous gray bark.

*6 to 12 in. X...2 for \$2.00, 10 \$9.00
3 to 4 ft. X.....\$2.50 each, 10 \$15.00

PLATANUS occidentalis (Sycamore). 120 ft. Zone IV. Giant, dignified native shade tree. Tolerant but prefers moisture.

*12 in. S25 \$3.00, 100 \$9.00
4-5 ft.5 \$6.25, 100 \$95.00
6-8 ft.5 \$11.25, 100 125.00
8-10 ft.\$6.00 each, 10 \$30.00

"Orientalis" (*Acerifolia*) (Plane). 90 ft. Zone V. Good city tree.

4 to 5 ft.....\$3.00, 10 for \$20.00

POPULUS bolleana (Bolleana Poplar). 40 t. Zone II. Narrow column, hardy and disease-free. Better than Lombardy. Green leaf, white beneath.

*2-4 ft. X.....10 \$7.50, 100 \$50.00
4 ft.5 \$7.50, 100 \$125.00
6 ft. ...\$4.50, 10 \$32.00, 100 \$250.00

nigra italica (Lombardy Poplar). 6 ft. Zone II. Quick column. Popular but prone to disease. Very tolerant as to soil.

*18-24 in.25 \$3.00, 100 \$9.00
5 to 6 ft. \$1.50, 10 \$8.50, 100 \$65.00
6 ft.\$2.00, 10 \$15.00, 100 \$100.00

PTEROSTYRAX hispida (Epaulette Tree). 40 ft. Zone V. Exceedingly rare and handsome. Large hanging panicles of creamy white fragrant flowers, June. Tolerant.

12 to 18 in. X.....\$2.50, 5 for \$3.00

P R U N U S kwanzan (Japan Flowering Cherry). Zone V. 20 ft. Darkest pink. Fully double, large flowers.

3-4 ft.\$4.00 each, 5 \$16.50

subhirtella pendula (Weeping Cherry). In May, a fountain of pink. 12 ft. Zone V.

3 to 4 ft.....\$3.75 each, 5 \$15.00
5 to 6 ft.....\$5.50 each, \$ \$25.00

QUERCUS coccinea (Scarlet Oak). 80 ft. Zone IV. A neater Red Oak, finer autumn leaf.

*12 in. S.....10 for \$3.00, 100 \$20.00
*4-6 ft.5 \$12.50, 100 \$180.00
6-8 ft.\$9.00 each, 10 \$80.00

rubra (borealis) (Red Oak). 60 ft. Zone IV. Likes clay. Handsome, vigorous, hardy.

*12-18 in. S.....25 \$6.00, 100 \$20.00
*4-6 ft.5 \$12.50, 100 \$180.00
6-8 ft.\$9.00 each, 10 \$80.00

palustris (Pin Oak). 90 ft. Zone IV. Damp or dry soil. A fine street tree. Fast-growing.

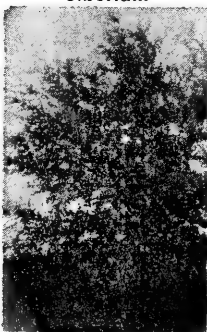
*12 in. S25 \$6.00, 100 \$20.00
4-5 ft.5 \$17.50, 100 \$280.00
5-6 ft.\$5.00 each, 10 \$35.00
6-8 ft.\$7.00 each, 10 \$60.00



LOMBARDY
POPLAR



American
ELMS
Siberian



ROBINIA pseudacacia (Black Locust). 70 ft. Zone IV. Dry, sandy soil. The drought tree! Showy, fragrant white flowers in June.

*3-4 ft. S.....25 \$3.00, 100 \$9.00
5-6 ft.5 \$9.00, 25 \$40.00

SALIX babylonica (Babylon Weeping). 30 ft. Zone V. Neat green fountain.

*1½ ft.25 \$7.50, 100 \$25.00
*4 ft.5 \$6.25, 100 \$110.00

—**blanda** (Wisconsin Weeping). More vigorous hybrid of *Babylonica*. Spreading head, weeping. Zone IV. Near, but not in water.

*2 ft.25 \$6.00, 100 \$20.00
*4 ft.5 \$6.25, 100 \$110.00
6-8 ft.\$4.00 each, 10 \$30.00

—**niobe** (Golden Weeping). 40 ft. Zone II. Drooping yellow.

*1½ ft.25 \$7.50, 100 \$25.00
4-5 ft.5 \$6.25, 100 \$110.00
6-8 ft.\$5.00 each, 10 \$35.00

SOPHORA japonica (Pagoda Tree). 75 ft. Zone IV. White in August. Showy and rare.

6-12 in. S.....10 for \$4.00, 100 \$25.00
4-5 ft.\$6.50 each, 5 \$30.00

SORBUS aucuparia (European Rowan Tree). 30 ft. Zone II. Clusters of orange, in August. Showy.

*1½ ft. X...5 for \$5.50 (100 \$60.00)
5 to 6 ft.\$4.00, 10 for \$30.00

STEWARTIA ovata (pentagyna). 18 ft. Zone V. Very showy white cups 3-inches across. July-Aug. Large bright green leaf shows orange in fall. One of the handsomest shrubby small trees.

*8 in. X2 for \$3.50, 10 \$15.00
4-5 ft.\$3.75 each, 10 for \$30.00

pseudocamellia. 60 ft. Zone V. White cups in July. Good foliage turns purple in fall.

2 to 3 ft.\$6.00, 5 for \$25.00

SYMPLOCUS paniculata (Sweet-leaf). 35 ft. Zone V. Showy white flowers in May, brilliant blue berries in Sept. An unusual and very choice tree. Easily grown.

2 to 3 ft. X\$5.00, 2 for \$9.00

TAXODIUM distichum. (Bald Cypress). 80 ft. Zone V. Is not evergreen, but looks like one. Graceful, feathery pyramid. Very fine shade tree. Tolerant.

*10 in. S.....5 for \$4.00, 25 \$12.00
5 to 6 ft. X.....\$5.00 each, 5 \$20.00

TILIA americana (American Linden). 100 ft. Zone II. Fine, large tree for avenues. Vigorous.

*2 ft. X10 \$9.50, 100 \$85.00
4-5 ft. X10 \$18.00, 100 \$125.00
6-8 ft.\$6.75 each, 10 \$65.00

europa (vulgaris). (European Linden). 90 ft. Zone II. Fine tolerant shade tree.

5-6 ft.—\$9.00 6-8 ft.—\$12.00

Cordata (Little-leaf European Linden). 90 ft. Zone III. Handsome, dense foliage.

*2 yr. S25 \$9.00, 100 \$30.00
*12-18 in. X.....10 \$8.00, 100 \$60.00
6-7 ft.\$7.50, 10 \$65.00 100 \$550.

ULMUS americana (American Elm). 100 ft. Zone II. Most beautiful native tree. Tolerant, even of flooded land. Subject to blight near New York.

*2 ft.25 \$3.00, 100 \$9.00
5-6 ft.5 \$9.00, 100 \$150.00
6-8 ft.\$5.00 each, 10 \$25.00

Carpinifolia C. Buisman (Blight-free European Elm). 90 ft. Zone IV. The only elm resistant to all Elm diseases. New, very promising. Broadly pyramidal.

*3 to 4 ft\$6.50 each, 10 \$60.00
6-7 ft.\$9.50 each, 5 \$45.00

pumila (Siberian or Chinese Elm). 45 ft. Zone IV. Neat, small, bushy tree. Very tolerant of dry land. Permanently desirable tree. Makes an excellent sheared hedge.

*2-3 ft. S25 \$4.00, 100 \$10.00
4-5 ft.\$7.50, 100 \$130.00
6-8 ft.\$4.00, 10 \$30.00, 100 \$250.

WISTERIA "Tree." Blue Chinese wisteria grown to one-stem form. Can be kept trimmed to 6 or 8 ft. specimens. Not much trouble, and very showy indeed.

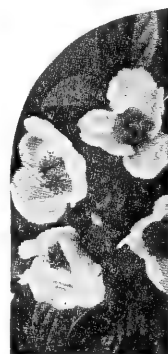
3-4 ft. grafted plants \$5.75 ppd.



LACURNUM



FLOWERING
KWANZAN
CHERRY



STEWARTIA



Bulbs for Fall Planting

Order Tulips Now!



**BIGGER
BULBS—**

**BIGGER
FLOWERS**

This actual photograph shows two tulip bulbs of the same kind exactly. Only the size of the bulb was different . . .

growing conditions were identical. You can see clearly the vast difference in the final result . . .

the larger bulb produces a bigger, healthier plant, and a very much larger flower.

Any tulip here listed is priced \$5.75 per bag of 50. Top size 12 centimeter bulbs. 50 of one kind minimum order. This figures out to the low price of 11½ each.

Red Emperor Tulip. Huge red goblet that has caused such a sensation wherever seen this past spring. Very early, tall, enormously long petals, black base.

COTTAGE TULIPS

("May-flowering")

Usually bloom in mid-May. Easier to grow, need not be lifted every few years. Tall, sturdy stems.

Carrara—Purest white.

Mazeppa — Extremely brilliant, rich red. White center.

Mrs. Scheepers — Stunning, tall golden. Long petals. Outstanding.

World's Fair — Imposing large, tall, brilliant rose. Cream base.

Marshall Haig — Scarlet, gold base.

Yellow Emperor — Metallic gold-yellow. Large bloom, strong.

DARWIN TULIPS

The showiest tulips. Magnificently large blooms, strong, vigorous.

Bartigon—Fine fiery red. Large.

Clara Butt — Beautiful soft salmon rose. Most popular color.

Farncombe Sanders — Famous large scarlet, clear white base.

Faust — Purple maroon, blue base.

Giant — Large, tall purple-violet with blue and white base.

Gloria Swanson—Carmine, blue.

La Tulip Noire—Very dark maroon, velvety. The "Black Tulip."

Niphotos — Cream outside, soft yellow on inside. Long flower.

Pride of Harlem—Large, rose.

Pride of Haarlem—Large, rose.

Princess Elizabeth — Rose-lilac, edged rose. White base.

Victory (d'Oliviera)—Solid brilliant red with black and white center.

Yellow Giant—Large, tall, bright yellow with black base.

Zwanenburg—Large, tall. Pure white throughout, black stamens.

10 EACH OF 5 BETTER, NEWER TULIPS

the bag of 50 . . . 11 cm. bulbs
\$6.50

Red Emperor. Outstanding early red.

Discovery. Huge rose "parrot."
Glacier (Darwin). Large, entirely white.

Smiling Queen (Cottage). Clear rose, with satin rose, lighter edges.

Mamassa (Darwin). Fine showy yellow.

Naturalizing Bulbs

It is not generally realized how many kinds of bulbs may be permanently planted—to last for decades if properly set out, giving a yearly show of bloom.

NATURALIZING NARCISSUS

Not all kinds do equally well when naturalized, and we have selected a special assortment for this purpose. All types represented, including daffodils.

(100) (1000)

Top size round bulbs \$7.50 \$65.00

CROCUS

(1½ ft. April)—The Dutch Crocus—showiest of all early spring flowers. PERMANENT when planted in sunny well-drained soil. 8 to 9 cm. bulbs.

(100) (1000)

Mixed colors \$5.50 \$45.00
Named colors 7.50 65.00

NARCISSUS

A bag of 25 double-nose bulbs of any one kind below priced at \$3.75.

Trumpets

Van Waveren's Glory—Outstanding yellow trumpet.

Empress—Rich yellow trumpet, white perianth. Old favorite.

King Alfred—Gold trumpet. Sturdy. Deeply frilled. Popular.

Short Cups

White Nile—Pure white cup on cream.

Carlton ("Nimrod")—Outstanding giant. Clear yellow, huge frilled cup, almost a trumpet.

Lady Diana Manners—Orange-red cup on creamy white perianth.

Nette O'Melveney—Tall white. Crown yellow, orange edge.

Scarlet Elegance—Scarlet on yellow.

Poetaz

Several flowers on each stem, tall, extra hardy, vigorous, fragrant. **Scarlet Gem**—Primrose-yellow and deep orange. Good forcer. **L'Innocence**—White perianth, large soft orange cup.

MIXED TULIPS FOR MASSING

Sold only in bags of 100. Size of bulbs 11-12 cm, the "first-size" of most bulb catalogs.

(100) (1000)

Darwin Tulips \$8.00 \$75.00
Cottage Tulips 8.00 75.00

GALANTHUS (SNOWDROPS)

(¼ ft. White, March) Remain a lifetime in bloom.

(100) (1000)

Single \$6.00 \$54.00
Double 7.00 64.00

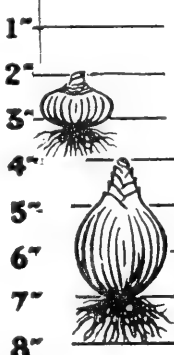
HYACINTHS

For outdoor use, these are enormously showy and very reliable. They naturalize readily, provided a size not too small, nor too large is used. We offer 15 to 16 centimeter bulbs: any one color (red, pure white, sky blue, yellow) a bag of 25 for \$4.00. 100, 4 bags, for \$14.00.

HOW TO PLANT BULBS

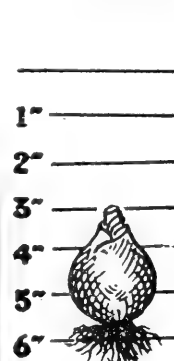
CROCUS

PLANT SEPT-OCT, 3" APART



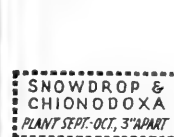
NARCISSUS

PLANT SEPT-OCT, 12" APART



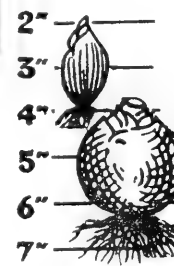
TULIPS

PLANT MID OCT-TO NOV, 9" TO 6" APART



SNOWDROP & CHIONODOXA

PLANT SEPT-OCT, 7" APART



HYACINTH

PLANT SEPT-OCT, 3" APART



10 EACH OF 5 NEWER, BETTER NARCISSUS

the bag of 50 double-nose bulbs \$10.00

Mount Hood—Pure white, large.

Golden Harvest—All-yellow giant.

Scarlet Leader—White, red crown.

Dick Welband—White, fiery orange.

Geranium—Many fragrant white blooms, orange center.

FRUITS for Fall

All can be planted in Oct.-Nov., almost a year gained over next Spring and identical success. A sod mulch helps.

Apples (Zone 2)

CRAB APPLES

Hyslop. Large, purplish red. Flesh yellow, pleasant. Biennial.
Dolgo. Handsome flowering crab. Makes ruby red juice. Sept.

SUMMER APPLES

Red Astrachan. (P) Large striped red. Young biennial bearer. Eating, cooking.

Early McIntosh. (P—best for Northern Spy.) Like McIntosh. Biennial bearer. Eating, cooking, baking.

Yellow Transparent. Golden, juicy. Young biennial bearer.

Duchess Oldenberg. (P) Extra hardy, large striped. Biennial. Eating, baking.

AUTUMN APPLES

Gravenstein. Large striped red. Good quality. Eating, cooking.

● **McIntosh.** (P) Striped, aromatic flesh. Young annual bearer. Eating, cooking, baking.

● **Red McIntosh.** (P) Solid red. Wealthy. (P) Striped red, wonderful flavor, juicy. Young annual bearer. Eating, cooking.

WINTER APPLES

Baldwin. Large, red, hardy, good quality. Biennial bearer. Eating, cooking.

● **Cortland.** (P—best for McIntosh.) Larger, late keeping McIntosh. Annual bearer. Eating, cooking.

● **Delicious.** (P) Crimson. Crisp tender, juicy. Annual bearer.

● **Golden Delicious.** Large, yellow. Marvelous flavor. Young annual bearer. Eating, cooking.

● **Northern Spy.** (P—for all but McIntosh). Large red, striped, high flavor. Annual bearer. Eating, cooking.

Rhode Island Greening. Large green-yellow. Annual. Eating.

Jonathan. (P) Small, but crisp, juicy. Biennial. Eating.

● **Rome Beauty.** (P) Annual bearer. Striped, large. Eating, cooking.

● **Stayman Winesap.** Young annual bearer. Zone V or South. Crisp, juicy. Baking, eating.

Plums (Zone 3)

Trifloras and European varieties do not cross-pollinate.

TRIFLORAS (P. *Salicina*)

● **Abundance.** Red, medium sized. Flesh yellow, juicy. Vigorous, productive. Aug.

● **Burbank.** Red, medium sized. Flesh yellow, very juicy. Aug.

● **Santa Rosa.** Large juicy red. August.

● **Formosa.** Large yellow. Sept.

EUROPEAN (P. *domestica*)

German Prune. Large, dark blue. August.

● **Lombard.** Medium-size, juicy, dark red. Hardy, prolific.

● **Reine Claude** (Bavay's Green Gage). Large yellow. Late Sept.

Stanley. Large dark blue prune. Annual bearer. Late Sept.

Damson. Small, purple. Cooking. Sept.

● **Shiro.** Gold, juicy. August.

● **Bradshaw.** Large dark violet. Annual bearer. Delicious quality. Sept.

Cherries

Need extra heavy pruning when planted.

SOUR (P. *Avium*) Zone IV.

Early Richmond. Clear red, medium sized. June.

Montmorency. Largest, firm flesh. Disease resistant. Finest quality. June.

English Morello. Best late variety. Mid-July. Tart, large, red.

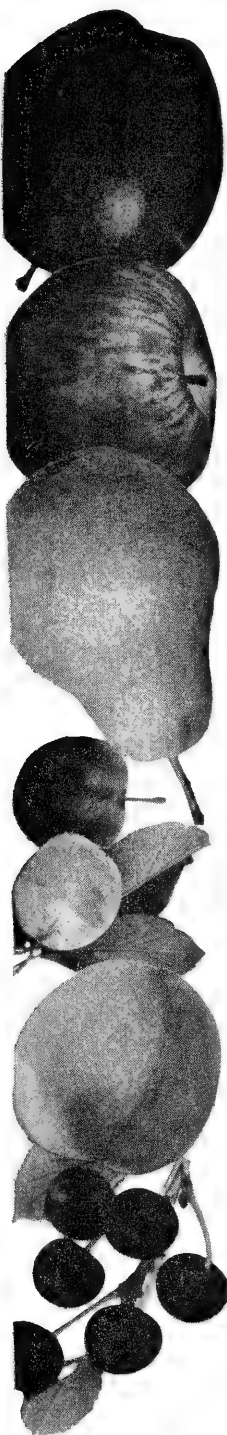
SWEET (P. *Cerasus*) Zone V.

● **Black Tartarian.** (P—Best.) Purplish black, juicy, rich flavor. June.

● **Windsor** ("Black Oxheart"). Large, dark, juicy, firm. July.

● **Napoleon** ("White Oxheart") Rich, sweet yellow. Late June.

● **Schmidt Bigereau.** Huge black. Delicious. Early July.



Many fruits do not bear good crops if planted separately. Pollen from nearby trees of different variety is often needed. Noted on these pages by:

●—self-unfruitful. Do not plant by itself, but with another variety of the same fruit.

(P)—Good pollinizer.

Peach Zone 5

Needs annual pruning.

Belle of Georgia. White, rich flavor. Vigorous, productive. Sept. Extra hardy.

Champion. White, firm, sweet, juicy, thin-skinned. Extra hardy. Eating, cooking, canning. Sept.

Elberta. Yellow. Fruit large, firm. Good canning. Sept. 15.

Early Elberta. Similar, but a week earlier.

Golden Jubilee. Yellow. Aug. Extra hardy. Juicy, sweet.

Valliant. Yellow, extra hardy. Late August. Large, good fruit.

● **Hale Haven.** A marvelous large yellow peach. Hardy. Delicious flavor. Early Sept.

Pears Zone 4

● **Bartlett.** Large, rich juicy, golden. Canning, eating. Sept.

● **Beurre Bosc.** Very large, rich, juicy. Late Sept.-Nov. Eating.

Duchess d'Angouleme. Extra large, greenish yellow, spotted. Excelent. Young bearer.

● **Clapp Favorite.** (P) Fruit large, pale, fine-grained, juicy. August.

● **Seckel.** Small, attractive. Blight-resistant. Sept.-Oct. Eating, pickles.

● **Gorham.** A bartlett, 3 weeks later.

● **Anjou.** Large yellow. Tender, very juicy, spicy, rich. Eating. October.

Dwarfed Fruits

A tree whose fruit is as large or larger than ordinary, but which never grows very tall—perhaps ultimately 12 to 15 feet. Space 12 ft. apart.

PRICES: All kinds listed below:

(50c packing on orders under \$10.)

1 year—Not branched	\$2.75
2 year—Branched	4.00
3 year—Heavier	5.50

If extra dwarf apples wanted, specify Malling 9.

Planting Depth should be so that the graft is just above the ground or an inch above. If too deep the scion develops its own roots and tree is no longer dwarf.

Standard Fruits

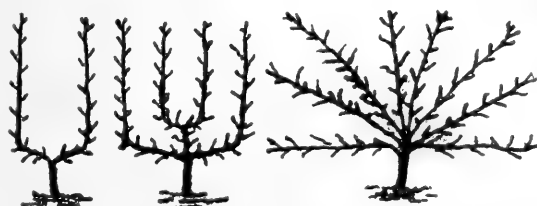
Available in all varieties on both pages

PRICES (each) (add 10% postage)

APPLES—2-year, 5 ft. 11/16 in.	\$2.25
CHERRIES—2-yr., 5 ft. 11/16 in.....	2.95
PEACHES—1-yr., 4-5 ft. 9/16.....	2.00
PEARS—2-yr., 5 ft.	2.50
PLUMS—2-yr., 4-5 ft.	2.10
APRICOT—2-yr., 4-5 ft.	2.10
NECTARINE—1-yr., 3-4 ft.	2.10
QUINCE—2-yr., 4-5 ft.	2.50

ESPALIERS

Ten to twelve feet is the maximum height to which true dwarf Espaliers will grow. Little pruning is needed—beyond keeping the small new spurs from reaching more than six inches outside of the main stems. When a spur has borne it will continue to bear. Pick the stem with the fruit.



U-Form
4 to 6 feet
2 feet wide
\$12.50 each

Four-Arm
5-6 ft. (heavy)
(4 feet wide)
\$20.00 each

Fan-Shaped
6 to 8 feet
(8 feet wide)
\$18.00 each

UNUSUAL FRUITS

Medlar

Mespilus germanica. Zone V. Small tree, with pear-like fruit, of unique, soft, acid flavor, must ripen after picking.

2 year grafts \$4.50, 3 for \$12.50

NEW AMERICAN MULBERRY

Ever-bearing, from June until September. Large, refreshing berries without the mawkish sweetness. Zone IV.

3-4 ft. \$4.00 each, 10 for \$35.00

Huge Hybrid

Really beautiful as specimens or in hedges. Suited for use in small quantities in the small garden. A 100-foot hedge will pay about \$25 worth of berries a year! (Spaced 18 inches).

Blueberries

Why Wait! Plant Some NOW!

And enjoy the berries sooner. Not only will they add to your garden but each bush will pay for itself many times over! Hardy throughout U. S. A.

NAMED KINDS	(Each)	(10)	(25)
3 year, 12 to 18 inches	\$2.00	\$13.50	\$30.00
MIXED: (All varieties are splendid eating)			
12 to 18 inches (our selection)		12.00	25.00
18 to 24 inches (our selection)		16.00	35.00

Jersey. Large, vigorous. Hardest. Early July.

Dixie. Huge berry; high flavor.

Pemberton. Large, bixed, and bland.

Rancocas. Early, good quality.

Rubel. Tall grower, erect. Late.

Weymouth. Earliest. Dark berries, best for cooking.

Set the plants in beds 4 feet apart each way. Several varieties should be included in every planting, as an exchange of pollen is necessary to produce good crops of berries. Or order "mixed" if you wish. All varieties are almost equally fine.

Blueberries require an acid soil containing peat or other rotted vegetable matter. They need a moderate supply of soil-moisture, and good drainage so that the roots can get aid during the growing season.

BEACH PLUM

Prunus maritima grows 6 to 8 ft. high, hardy into Zone III. Thrives in gardens better than on seashore. Good drainage. Fine, useful plums.

1½-2 ft. \$2.50 each, 10 for \$20.

Native Persimmon

Diospyros virginiana makes a 20 foot tree, moist soil. Zone VI. Fruit late fall, like figs.

4 to 5 feet 2 for \$8.50

Adams Elderberry

The large berries and extra fruit clusters are a decided improvement for pies, jam and wine. Zone IV.

1½ feet \$1.50 each, 10 for \$12



Photo:

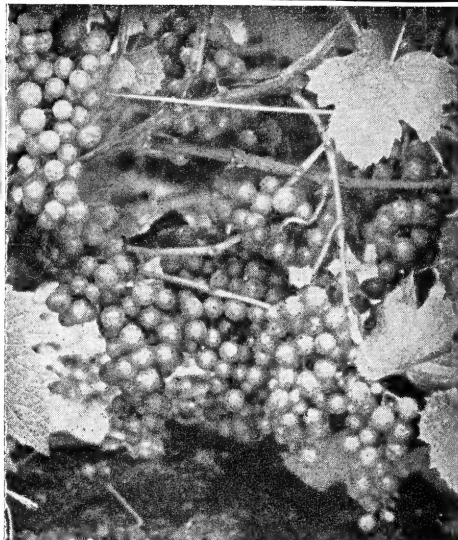
Life-size
Blueberries

Hybrid Grapes

No permanent canes needed; only a short trunk or shank. Grapes grow on new wood, which is pruned away each year.

Grape Culture calls for plenty of humus in the soil. Old manure is far the best form, to produce vigorous spring growth. Extra moisture is needed as fruits fatten in summer. Otherwise grapes may be small, dry.

The European Grape (*Vitis vinifera*) is far superior to our native grapes. However, it has not the stamina to withstand sub-zero weather and succumbs to disease, while our hardy native grapes remain immune. These hybrids combine American health with European flavors.



3 Popular Hybrids

\$2.00 each, 3 for \$4.50 ppd.

INTERLAKEN SEEDLESS

New hybrid hardy in Zone IV. Very sweet, meaty and crisp. Amber color, tangy flavor. Ripens early (Sept. 1st.)

ROMULUS SEEDLESS

New American-European hybrid to Zone IV. Mid-Sept. Yellow, sweet, meaty. Fine seedless variety.

STEUBEN (Blue-Black)

Exquisite flavor. Huge, long slender clusters. (Zone IV). Absolutely free from rot and mildew.

STURDY, WELL ROOTED VINES — Zone V.

2 Year No. 1

\$2.75 each postpaid

BACCO No. 1—Fine strong growing plant, excellent for trellises, dark red, medium size berries, good wine and table grape.

SEIBEL No. 1—Black, long clusters, tart, fine for wine and jelly.

SEIBEL No. 14—Enormous big clusters, shouldered cluster, big berries, good table and wine grape. Black.

WESTCHESTER—Rosy white, long clusters, very sweet, finest for table and wine, very abundant bearer, absolutely free of foxiness.

MADELEINE—White Muscat, big berries, long clusters, finest of table grapes.

FLORENCE—Pink, loose cluster, big berries, extremely sweet, very prolific, fine table grape.

ANGELE—Black berries, loose cluster, very sweet, absolutely vinifera, finest table grape.

JACQUES WOLF—Black grape, big cluster, fine for wine and jelly.

SEIBEL No. 5860—Good table and wine grape, white, good all around qualities.

MARGUERITE—Black grape, big cluster, table.

ELLEN SCOTT—Red, very sweet, table grape.

NUT TREES

There are good nuts to be grown in the north. The first two years mulch with hay or straw. Water if drought comes.

CHINESE CHESTNUT

(*Castanea mollissima*). Similar to the American in flavor (sweet) but inured to the Chestnut blight. Zone V. Bears very young. Needs cross pollenizing. We will not sell single trees.

*1 to 1½ feet S.....5 for \$6.00, 100 \$75.00
2 to 3 feet X3 for \$7.50, 10 for \$20.00
6 to 7 feet (bearing)2 for \$12.50

BLACK WALNUTS—Zone IV.

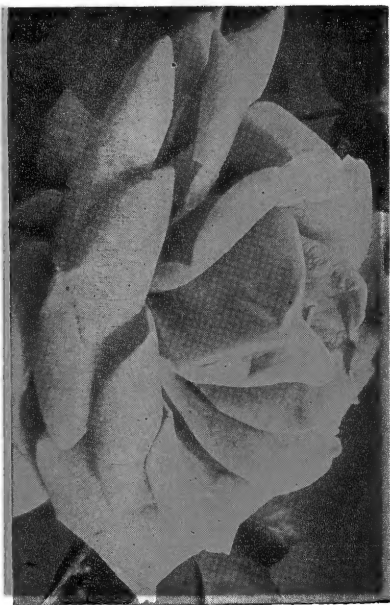
One of our most beautiful native trees, growing well in any fertile well drained soil. The grafted sorts bear their first nuts commonly in the third to fifth year. **Thomas** is a rapid-growing tree. The meat is attractive and tasty, falls out easily in halves.

2 to 3 ft....\$2.50 each, 3 for \$11.25

European Filberts

Shrub to 15 feet, hardy in Zone III. Because of pollination, all three of the following varieties ought to be planted together. **Barcelone**, **DuChilly**, and **Daviana**. (2 year grafts).

3 for \$11.50 6 for \$22.00



Brownell (SUB-ZERO)

ROSES

The result of more than a decade of research, this new race of roses adds to unusual hardiness a character of improving with age, rather than slowly deteriorating as most hybrid teas do. They are exceptionally easy to grow and bring into bloom. Disease-resistant, unusually hardy.

HARDINESS: About Zone IV, but roots will survive still colder climates and even if tops damaged, new growth will be ready to bloom by rose time. Tops protected by hilling or burlap seldom kill back. Any plant that fails to bloom in 2 yrs. replaced free in U.S.A.

New Class! Grandifloras

This class, like Floribundas but with vigor and blooms like Hybrid Teas, is now made to order to fit these favorite Brownell varieties:—

★ **Pink Princess.** Bud red, flower deep pink. Free from premature defoliation. Blooms all summer.

Anne Vanderbilt. Exquisite coppery orange, red, informal, semi-double, brilliant, fragrant. All summer.

★ **Laffer.** Sparkling orange and yellow, semi-double.

Lily Pons. Cream, large. Vigorous, free bloomer.

Curly Pink. Clusters of large, two-toned pink all summer. Vigor, health, and constancy.

★ **Red Duchess.** Robust sturdy large red. Outstanding fragrance. Grand new rose. Brilliant, attractive, free to flower. This fine new red has attracted instant friends wherever seen.

★ **Dolly Darling.** Pink, sunset and rose blend. Extra vigor and health.

Queen o' the Lakes. Sensational large crimson. New.

7 Best Brownell Hybrid Teas

Shades of Autumn. Red and yellow.

Tip Toes. Spicy fragrance. Orange and pink blend. New.

Dick Wilcox. Deep red, magnificent vigor and size. New.

V for Victory. Large, double, yellow, fragrant, profuse.

Country Doctor. Large, recurved silvery pink satin.

Sun Up. Rich, clear china-rose.

Cedric Adams. Scarlet and crimson, large and double.

**\$2.20
each**

All types, except as noted.
3 for \$6.00; 20.00 per doz.

ALL PRICES POSTPAID

5 Brownell Floribundas

★ **Pink Bouquet.** Vigorous double pink.

Tompkins Red. Semi-double, velvet red all summer.

★ **Orange Ruffels.** Sensational new color in roses. Glowing, soft luminous. Very steady bloomer all summer. Large flowers.

★ **Yellow Ruffels.** Similar, but a good non-fading yellow.

Nearly Wild. Larger than most wild roses, single pink flowers in clusters. Gives beautiful color all summer.

4 Brownell Creepers

For ground cover on walls, on fences.

Coral Creeper. All the shades of ocean coral complementing other delightful rose tints. (June).

Little Compton Creeper. Deep rose-pink. Single. Clusters.

Red Creeping Everbloom. Crimson. All-summer creeper.

Magic Carpet. Large, double blooms, yellow and orange.

3 Brownell Climbers

Vigorous, extra hardy, vivid.

Elegance. Very large, perfect blooms. White with shaded yellow center. Grand show.

Golden Climber (Mrs. A. C. James). Best yellow climber. Fragrant, ideal for cutting.

Copper Glow. Deep, coppery orange. Delightful spicy fragrance. Sensational color.

★ NO MORE BLACK SPOT!

Absolute resistance to this dread disease has been bred into seven of these roses:



Pink Bouquet
Yellow Ruffels
Dolly Darling
Red Duchess
Pink Princess
Orange Ruffels
Lafter

One each — 7 kinds \$14.00
postpaid.

New Everblooming Pillars

This new race is really revolutionary. Beautiful large HT blooms all summer. Sub-zero hardiness. Bloom at ends of all stems the same year they grow.

Red, pink, apricot, yellow, white in various shades. Not yet named, sold only to colors (one each color) 3 for \$10. 6 for \$20. (\$4 each).

They grow like climbers, but not so high. May be kept cut back as giant bush form Hybrid Teas, or as specimen self-supported bushes 5 to 8 feet tall.

Everblooming pillars can be grown as climbers, or as large bushes.

How to Order

Fill in the order form and enclose check. Shipment is made with express charges collected on arrival. You will get a prompt acknowledgment indicating approximate shipping time.



OUR GUARANTEE

We will allow a credit of 50% of the catalog value of any stock that dies the first year. Credit to be used on future orders as you wish.

We also guarantee 100% safe, satisfactory arrival—but you must report trouble within 10 days.

ORDER NOW — DON'T WAIT

Unlike other things you buy, nursery stock must be ordered in advance—Why? Because our whole year's shipments come in a few months' time and there is never enough help. Shipments are scheduled long in advance. Order now, we will ship at proper time later.

TERMS OF SALE

PRICES—Net at the nursery. Transportation to be added at actual cost. Usually 5 sold at rate per 10, 50 at 100 rate.

PACKING COSTS—Free if Cash accompanies order, except stock dug with a ball of earth. Otherwise, packing is charged at cost (usually 10% of cost of stock). Balled, heavy evergreens: we will estimate costs in advance if you wish.

LIMITED RESPONSIBILITY—We disclaim responsibility for any reason in amounts greater than invoiced.

CLAIMS for errors, shortages or other causes must be made within 10 days.

There is a northern limit for every plant, beyond which it cannot live. For practical use the map above divides the country into Zones. Each plant description in this Guide has a related Zone Limit. Look up your garden on the map and you can select hardy material.

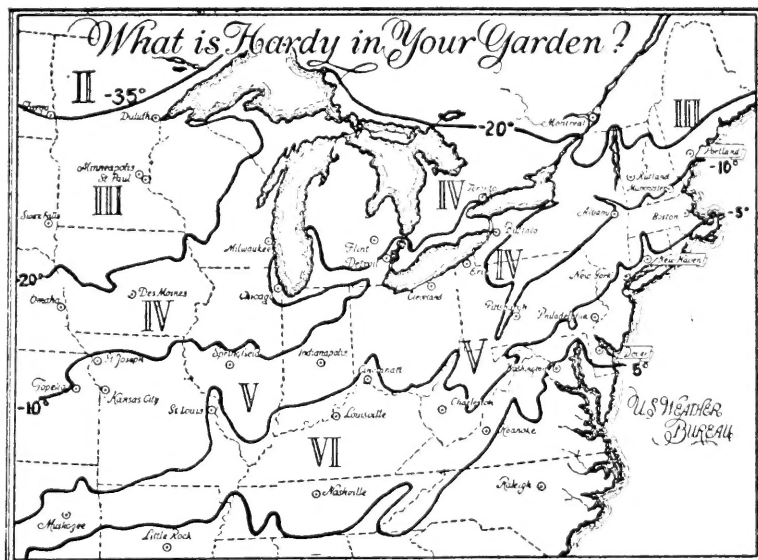




Photo: Hybrid Rhododendrons, our most popular item. Showing box and plant. Water well and protect from wind this winter.



BANDED PLANTS for your HOME NURSERY

Safe and Easy

Plants arrive actually growing in 2-inch wooden bands (clip off when you plant). They don't know they've been transplanted! We can ship anytime up to late-October, but **ORDER NOW**—we may sell out.

COST only 55c each!

Sold only in boxes of 12

— 12 one kind \$6.50

— 12 (6 each, 2 kinds) \$7.00

... Kinds of Evergreens Available in Bands ...

AZALEA Mary Hawkins—brilliant pink, Zone. V.

Damask Rose—blotched pink and white.

Lakme—medium hight red. Zone IV.

Susan—very late pink. Zone V.
pink. Zone V.

Flame—huge single red, dwarf growing.

***Hexe**—extra showy scarlet, double.

***Hinocrimson**—a much improved, hardier Hinodigiri.

***Sherwood Red**—another fine new double red.

Betty—brilliant rosy-pink, tall. Zone IV.

Fedora—tall, salmon-rose. Zone IV.

***Indica Alba**—large, white, single.

AZALEA, Two Good Deciduous Kinds.

Mollis hybrids—mixed yellow and red, single.

Vaseyi—clear pink, May. Zone V.

ABELIA grandiflora—pink-white all summer.

BERBERIS JULIANA—6 foot bush. Zone V.

Verruculosa—dwarf, yellow bloom.

CAMELLIA SASANQUA. (Hardy to Zone VI).

***Apple Blossom**—single pink, charming.

***Maidens Blush**—single blush, very popular.

COTONEASTER horizontalis — red berry, spreads.

Salicifolia—6 ft. Zone VI.

ERICA darleyensis—pink bells, March.

ILEX CRENATA convexa — boxleaf Holly. Zone IV.

***Crenata rotundifolia**—Japan Holly.

JUNIPER pfitzer—bushy, popular.
horizontalis plumosa (andorra).

PIERIS japonica (Andromeda)—white, April.

PYRACANTHA Lalandi (Firethorn)—orange berries.

crenata-serrata—Red berries. Zone VI.

***RHODODENDRON Keiskei**—yellow May.

***Catawbiense** — rose-purple, June. Zone IV.

***Hardy Hybrid Seedlings** — mixed colors, June.

Fortunei—large pink. Zone VI.

TAXUS Cuspidata (Spreading Yew) broad, low.

Capitata (Upright Yew)—tall pyramid.

nana ("Brevifolia")—dwarf yew.

Hicksi—fat, upright column 6 ft.

Hatfield—extra hardy small upright.

TSUGA canadensis (Hemlock)

*Two New Viburnums available only in 3-inch bands (see below).

Chenaulti — new Burkwoodi, but more compact.

Juddi—new Carlesii, but larger flower, healthier leaf.

* Varieties marked with asterisk available in older plants, 3-inch bands, in Boxes of 6. All one kind \$6.60 postpaid, or 3 of 2 kinds \$7.00.